

DOWNLOAD PDF C INTERVIEW QUESTIONS AND ANSWERS FOR FRESHERS

Chapter 1 : 25 C#.Net Interview Questions for Freshers

Top 75+ frequently asked C Programming Interview Questions and Answers for Freshers and year experienced C programmers asked in various interviews and competitive exams. We use # include to include a file. The difference between two ways of file inclusion lies in the order in which.

When writing your C program, you can include files in two ways. This method of inclusion tells the preprocessor to look for the file in the predefined default location. If the file is still not found, the preprocessor checks the current directory. The second way to include files is to surround the file you want to include with double quotation marks. This method of inclusion tells the preprocessor to look for the file in the current directory first, then look for it in the predefined locations you have set up. Using the include file version of file inclusion and applying it to the preceding example, the preprocessor first checks the current directory for the specified file. If the file is not found in the current directory, the C: If the file is still not found, the preprocessor checks the S: The include method of file inclusion is often used to include standard headers such as stdio. The include file include nonstandard header files that you have created for use in your program. This is because these headers are often modified in the current directory, and you will want the preprocessor to use your newly modified version of the header rather than the older, unmodified version. The use of an enumeration constant enum has many advantages over using the traditional symbolic constant style of define. These advantages include a lower maintenance requirement, improved program readability, and better debugging capability. Conversely, symbolic constants must be manually assigned values by the programmer. Conversely, most symbolic debuggers cannot print the value of a symbolic constant. This can be an enormous help in debugging your program, because if your program is stopped at a line that uses an enum, you can simply inspect that constant and instantly know its value. On the other hand, because most debuggers cannot print define values, you would most likely have to search for that value by manually looking it up in a header file. The answer depends on what you mean by quickest. Those methods are quick sort, merge sort, and radix sort. There are two special cases in which use of the volatile modifier is desirable. The string function strcat concatenates strings and not a character. The basic difference between a string and a character is that a string is a collection of characters, represented by an array of characters whereas a character is a single character. To make the above statement work writes the statement as shown below: Using the define method of declaring a constant enables you to declare a constant in one place and use it throughout your program. This helps make your programs more maintainable, because you need to maintain only the define statement and not several instances of individual constants throughout your program. For instance, if your program used the value of pi approximately 3. Besides being the most common method of declaring constants, it also takes up the least memory. Constants defined in this manner are simply placed directly into your source code, with no variable space allocated in memory. Unfortunately, this is one reason why most debuggers cannot inspect constants created using the define method. What is the purpose of main function? The function main invokes other functions within it. It is the first function to be called when the program starts execution. How can I search for data in a linked list? Sometimes it is quicker to take the data from a linked list and store it in a different data structure so that searches can be more efficient. Why should we assign NULL to the elements pointer after freeing them? This is paranoia based on long experience. After a pointer has been freed, you can no longer use the pointed-to data. If you NULL out or zero out a pointer immediately after freeing it, your program can no longer get in trouble by using that pointer. What is a null pointer assignment error? What are bus errors, memory faults, and core dumps? These are all serious errors, symptoms of a wild pointer or subscript. If the program tries to write to that area, it will overwrite the data put there by the compiler. When the program is done, code generated by the compiler examines that area. If that data has been changed, the compiler-generated code complains with null pointer assignment. This message carries only enough information to get you worried. Some debuggers, and some compilers, can give you more help in finding the

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problem. Both mean that a pointer or an array subscript was wildly out of bounds. You can get these messages on a read or on a write. The core dumped part of the message is telling you about a file, called core, that has just been written in your current directory. This is a dump of everything on the stack and in the heap at the time the program was running. With the help of a debugger, you can use the core dump to find where the bad pointer was used. Predict the output or error s for the following programmes:

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Chapter 2 : 10 Most Common Interview Questions and Answers for Freshers - Careerizma

[This is a usual C or C++ interview question, mostly the first one you will face if you are fresher or appearing for campus interview. When answering this question please make sure you don't give the text book type explanations, instead give examples from real software scenario.]

Extension Methods in C What is the difference between dispose and finalize methods in c? Finalize used to free unmanaged resources those are not in use like files, database connections in application domain and more, held by an object before that object is destroyed. Finalize belongs to System. Implement it when you have unmanaged resources in your code, and make sure that these resources are freed when the Garbage collection happens. Dispose is also used to free unmanaged resources those are not in use like files, database connections in Application domain at any time. Dispose explicitly it is called by manual user code. If we need to dispose method so must implement that class by IDisposable interface. It belongs to IDisposable interface. Implement this when you are writing a custom class that will be used by other users. For more details follow this link: [What is the difference between string and StringBuilder in c?](#) StringBuilder and string both use to store string value but both have many differences on the bases of instance creation and also for performance: String is an immutable object. Immutable like when we create string object in code so we cannot modify or change that object in any operations like insert new value, replace or append any value with existing value in string object, when we have to do some operations to change string simply it will dispose the old value of string object and it will create new instance in memory for hold the new value in string object like: String belongs to System namespace. Stringbuilder is mutable object which also hold the string value, mutable means once we create a System. Stringbuilder object we can use this object for any operation like insert value in existing string with insert functions also replace or append without creating new instance of System. StringBuilder is a mutable object. Performance wise StringBuilder is very fast because it will use same instance of StringBuilder object to perform any operation like insert value in existing string. StringBuilder belongs to System. For More details read this article by following link:

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Chapter 3 : 46 DOTNET Interview Questions And Answers - 46 Dotnet Interview Questions And Answers F

C interview questions and answers for freshers. It is basic c language technical frequently asked interview questions and answers. It includes data structures, pointers interview questions and answers for experienced.

What is static variable? Can static variable be declared in header file in C? Is it possible to have nested include files in C? What is the difference between printf and sprintf functions in C? What is linked list and circular linked list? What is the difference between character array and string in C? What does implicit and explicit mean in C? What is the difference between enum and define constant in C? What is alias in C? What are predefined macros in C language? Which one is executed faster than other? Is error handling done in C? What are all error handling functions in C? What is array boundary check? Is it done in C? What is null pointer assignment error in C? Can we assign null to a pointer after freeing them in C? What is page thrashing in C? Is it possible to determine the size of an allocated portion of memory for a program in C? What is sorting and list all the sorting methods in C? What is searching and list all the searching methods in C? Which is the quickest sorting method? Which is the quickest searching method? When should type cast not be used in C? What is difference between function and built in function in C? What is difference between linker and linkage? Which one nested if or switch statement is easy to use when we have more than 2 conditional expressions in C? What is argument in C? What is the difference between actual argument and formal argument in C language? What is the difference between internal and external static variables in C? What is modular programming? What is indirection in C? What is the difference between array and pointer in C? How many ways a pointer variable can be initialized in C? What is difference between text and binary modes in C? What is difference between structure and union in C? What is difference between structure and array in C? Is function declared or defined in header files in C? Where is extern, static and auto variable stored in memory? Where is register variable stored in memory? What is difference between for loop and while loop in C? Which data type a pointer variable belonging to in C? What is array of pointer or pointer array in C? Can a C program have more than one main function? Can a structure have a pointer to itself in C? What is file in C? What are the types of files in C? What is file pointer in C? What is the difference between array of pointer and pointer to array in C? What is fopen , fclose in C? What is ftell in C? What is difference between constant pointer and pointer to a constant in C? Can main function be called recursively in C? Can we compare 2 same structures in C? What is difference between syntax error and logical error in C? Is it correct to include all header files in a C program? How will you print back slash character in C? What is the difference between single and compound statements in C? Is it possible to pass entire structure to a function in C? Is macro better than function in C programming? Is using goto statement a best practice in C programming? What is the difference between break and continue statement in C? C is not case sensitive. Which header file needs to be included in C program to use printf and scanf functions? What is the difference between gets and fgets in C? What is data type in C language? What are the basic data types in C language? Which is used to find the size of variable, array in C? Answer "sizeof" data type What is int, char and floating point in C? What is the storage size of long long int in 16 bit processor in C? What is the storage size of long long int in 32 bit processor in C? What is the syntax for enum in C? What are derived data types in C? What are the types of tokens in C? What is keyword in C? What is identifier in C? What are constants in C? What are the types of constants in C? What are all the ways a constant can be used in C programming? What is type qualifier in C? What are the types of qualifiers in C? What is const keyword in C? What is volatile keyword in C? What is storage class specifier in C language? What are the types of storage class specifiers in C? Can all variables stored in register memory for faster access? What is auto specifier in C? What is static specifier in C? What is extern specifier in C? What is register specifier in C? What is array in C? What are the different types of array in C language? How are data stored in 2 dimensional arrays in C? What is string in C language? What is the difference between strcat and strncat functions in C? Which string function can be used to compare two strings irrespective of the case in C? Can the content of a pointer be a

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string in C? What is the size of int pointer and char pointer in C? What is function in C?

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Chapter 4 : C# Interview Questions And Answers

1) How do you construct an increment statement or decrement statement in C? There are actually two ways you can do this. One is to use the increment operator ++ and decrement operator -. For example, the statement "x++" means to increment the value of x by 1. Likewise, the statement "x--" means to decrement the value of x by 1.

LTD My name is Hemant. Ltd Hi friends, my name is Aniket. Being a student, it is necessary to grab the basic as well as professional knowledge and skills. I found it in CRBtech I joined CRBtech and I found myself technically strong and motivated al I am placed in Manav Gases Pvt. It is very good experience to have taken training with CRBtech. My name is Palak Shimpee. Earlier, I was searching for a job since a year and I got Before CRB, I am lagging in professional training and because of LTD My name is Kapil. I am the student of CRBtech institute where Ltd I got selected in Thuse Elecktronics Pvt. Before that I faced many interviews but I always got rejected, sometimes in aptitude, in PI. I gave about 20 interviews and I understood that I was lacking in aptitude and tech Now, my technical improved a lot where I can face any Earlier, I lacked in interview CRBtech trainers helped me with the technical training for indus Ltd My name is Nilesh. It was an exciting and great experience with CRB. The CRB life cycle helped me I took training in July batch from CRBtech. Training provided is very good. It enhances technical as well as interpersonal skill Ltd I am Kavita. I was having issues with my pass-out year, year gap betwe CRB tech help me a lot. Mr Khan taught us Core Java and Advance Trainers of CRBtech are really good. They taught us very well and taught only those things which are required in companies. Thanks to CRB for such an opportunity. CRB training is excellent. It built my personality like presentation skills, how to face interviews. After joining CRB tech, I got job in t Every one in CRB is helpful My name is Anshuli. I took admission in CRBtech Pvt. I was not good in apti. But over here, I improved my apti. They will train you from scratch level. Technical trainers are very good and you can ask doubts any t I have got placed in Hoerbiger India Pvt. They offer me starting package of 3-lakhs. Earlier, I found difficulties in my Aptitude. I have tried m CRB tech helps me to improve technical skills as wel Training given in CRB is best. Soft skill training is very helpf I joined CRB Tech as they provided me with a training and placement program. As a graduate fresher pass out, I benefited a lot by joining CRB Tech. Specially, Mr Kaustubh Sir. They have played an important role during the training. He inspires us a lot. Mr Amit Sir Aptitud My name is Devidas Mahajan. So, I started searching for job from Internet. As my training began I unde Before this, I used to get rejected in company because of my lack of technical knowledge. They taught me from very basic things cleared each and every doubts. As far as I have seen The growth in this company is far better than Especially Soft-skills sessions taken by Kaustubh Sir helped me to impro The most important part which I like about the course is they also covered the German language, English course and My name is Kirti Yadav. In CRB Tech, all trainers are very good. They provide very good knowledge in Being a part of CRB Tech helped me to move further in my career prospects. They helped me to improve my soft skills as well as revised my technical sk For my domain, it is very important. I was lacking in communication and some bit in technical. CRB Tech provided me soft skill training and very strong technical knowledge. I am placed in Eternus with 3 LPA package. Training which they prov This was the on Even I done a job for 3 year Due to soft skills sessions conducted by ,RS Shilpi mam I was able to attend interviews

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Chapter 5 : C programming Interview questions and answers: C interview questions and answers

You probably understand that what happens inside the interview room is a combination of factors, mostly beyond your control. These are only some of the more popular questions for freshers gathered from the experiences of the have-been-interviewed.

Your heart is racing. Your palms have become sweaty. You can barely sleep a wink. Your mind is overwhelmed with the thoughts of that someone. It is your first interview! And that special someone is your interviewer. But one thing is common. Much like love, you want it to be the one! And if this is your first foray into that conference room, you are like a baby taking his first steps. Unsure, nervous and totally inexperienced. However unlike your parents who probably held your hand and clicked away the Kodak moments, we are here to help you prepare for those seemingly benign, but all too important, interview questions. So read on and you will only get wiser and not a second older than five minutes. Well, maybe a few seconds more if you need to close the Youtube video of the talking cat. So here are a few commonly asked interview questions, not necessarily exclusive for freshers, but certainly handy to rehearse well before your first interview. Tell us something about yourself. Just something about yourself! And it is not like you are in grave danger of revealing your darkest secrets. It is actually Prem Ratan Dhan Payo! So why is this so intimidating? This question is a classic psychological trap to test how you perceive yourself. But you should be quickly transitioning to your strengths as pertaining to making you a valuable future employee. My name is Gabbar Singh. I was brought up in a village in Chambal. My parents instilled in me the values of honesty, integrity and non-violence. I have always cared for the underprivileged and have helped them several times to organize community festivals like Holi, giving food and aid to small communities. I have even raised money to help out ex convicts, thus giving them a second chance at life. I believe in compassion and helping others. As a tip, it is always a plus to use strong words like I believe, determined, always, excellent instead of I think, I could, sometimes, maybe or okay. Tell us your strengths and weaknesses. There are the strengths that no one should ideally have any grounds to question you on. For example, unless they have proof of deceit, there is no reason why someone should challenge your claim of being honest and with-integrity. And then there are the strengths that have to do with skills associated with the job at hand. Only state the ones you are fairly confident in. You can even vaguely scale your knowledge of the skill. For example, you can say Expert in Coding in Python, Cobra or whatever if you think you can handle any level of counter question on that particular skill. You can say Experienced if you are fairly good but not completely confident enough to handle any question thereto. Always a good idea to say you are a fast learner. As for weaknesses, it is better to not show them your cards. And unlike Poker, you are not going to feign a bad hand. Just take one of your good qualities and spin it as if it is a bad thing. Or say something completely irrelevant like I have a sweet tooth. Like that would matter at your job! Oh well it might if you are applying in a bakery. However you may want to state your qualities, make yourself desirable as a candidate and approachable like a good coworker. Where do you see yourself 5 years from now? If all goes well, sipping a Pina Colada, on a Caribbean cruise. They want to know your career goals. It is hard for most fresh graduates to look that far ahead when they are still quite unsure about everything else. The best way to answer that is to talk in a bigger picture and leave it somewhat open ended. Whatever you do, never say in five years I see myself taking your job!! You could say, for example, that your current goal is to become a part of the Management team Read these tips to get promoted. You may even want to add a few garnishes of how you want to use your own time to train yourself in skills that may help you become better at your job. It is not a good idea to give the impression that you would be looking for a way to move away from your hired post, right away. Keep your response aligned with the current post. In other words, you are going to work hard and grow to become more valuable to this company. That has a nice sound bite! Of course you have to educate yourself well in advance of the possibilities the company offers. That brings us to the next question. Why do you think this company is a good fit for you? You need to know what

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the company does, what its values are, how it has been performing, and any other relevant detail you can get. Then frame the answer in a way that highlights how only this place can help you grow, giving you the opportunities and an excellent platform to reach the career goal you mentioned in the previous question. There are buzz words we all know of. Just be careful to not make your response sound hollow. I want to join this school because teaching students is the best way to learn and grow. Instead saying something like this school is well known for being student friendly, creating opportunities for them to excel in their field of choice and producing some of the most creative and successful alumni, in this country. I want to be a part of the process that drives excellence. It will also give me an avenue to grow as a teacher. Why do you think you are a good fit for us? What have you got to offer to this excellent organization? Why should we bother to take you on? And again, play your strengths to them. There is no need to sound like you are the answer to their prayers. You just have to be confident in your ability to contribute well and better than what they can already perceive from your qualifications. It is your desire and passion that counts here. These are typical interviewee emotions that they are looking for. Try to get specific, if you can. And most of all know the company values and emphasize how they resonate with you. The school cares for the children. Could you explain the shortcomings on your resume? It is natural to have a few blemishes in your past and sometimes you just have to include them in your resume Also read resume writing tips. And it is also quite natural for an interviewer to be curious what happened there. So there is no need make up a fib. You can add that you are serious about your career and have learnt the consequence of slacking off. That would be juvenile and a bad glimpse at what you might do if you fail at work. Are you a team player? However much of a disdain, you may have, for mankind, this is not the place to let it out. Most jobs are not meant to be handled alone. Not unless you mime. Yes is always a safe response. You can articulate a response showing that you recognize the importance of team work in an office. Much like the team events you have been a part of until then. No cooperation means no result. Sing to them if you have to. Just Google Doordarshan, you millenials! How would you handle a disagreement with authority? Tied to the previous question but not quite so. While you may work great in a team there is still a possibility that you end up having a disagreement with someone. Management would really like to know whether they would have to babysit or, you know, manage you all the time! Give an instance from your past.

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Chapter 6 : C Programming Interview Questions - tutorialspoint

C Language Interview Questions and Answers. C language interview questions and answers for freshers and www.nxgvision.comrs, operators, data types, arrays, structures functions, recursion, pre-processors, looping, file handling, strings, switch case, if else and printf advance. for more Questions keep watching walkin2day website.

March 12, Welcome to Interview Questions World. If you are in final year of your graduation and student of computers, information technology, electronics and communication or science academics or just passed out and looking for IT Job as a fresher, you must and should know the C Programming language. Most of the MNC companies conducting different technical and aptitude tests including C Programming as mandatory. We hope that you know basics of programming and able to write programs using C language then this is the right place for you to know the best C programming interview questions for freshers and experienced. It de-refers twice to point to the data held by the designated pointer variable. By default every local variable of the function is automatic auto. Break can appear only with in the looping control and switch statement. The purpose of the break is to bring the control out from the said blocks. A static local variables retains its value between the function call and the default value is 0. The following function will print 1 2 3 if called thrice. A pointer pointing to nothing is called so. Used to resolve the scope of global symbol. Prints the formatted output onto the character array. The starting address of the array is called as the base address of the array. If a variable is used most frequently then it should be declared using register storage specifier, then possibly the compiler gives CPU register for its storage to speed up the look up of the variable. A pointer initially holding valid address, but later the held address is released or freed. Then such a pointer is called as dangling pointer. It is used to alias the existing type. Also used to simplify the complex declaration of the type. The expression appearing on right side of the assignment operator is called as rvalue. Rvalue is assigned to lvalue, which appears on left side of the assignment operator. The lvalue should designate to a variable not a constant. The parameters sent to the function at calling end are called as actual parameters while at the receiving of the function definition called as formal parameters. Yes, it can be but cannot be executed, as the execution requires main function definition. When we do not know what type of the memory address the pointer variable is going to hold, then we declare a void pointer for such. Every local variable by default being an auto variable is stored in stack memory. A structure containing an element of another structure as its member is referred so. Declaration associates type to the variable whereas definition gives the value to the variable. A structure containing the same structure pointer variable as its element is called as self-referential structure. No, the header file only declares function. The definition is in library which is linked by the linker. More generic functions definition gives the ability to re-use the functions, such as built-in library functions. A C program consists of various tokens and a token is either a keyword, an identifier, a constant, a string literal, or a symbol. Preprocessor is a directive to the compiler to perform certain things before the actual compilation process begins. Can be used to input integer in all the supported format. Yes, if it is not appearing as the last case and if we do not want the control to flow to the following case after default if any. We can create integer structure members of differing size apart from non-standard size using bit fields. Such structure size is automatically adjusted with the multiple of integer size of the machine. The arguments which we pass to the main function while executing the program are called as command line arguments. The parameters are always strings held in the second argument below in args of the function which is array of character pointers. First argument represents the count of arguments below in count and updated automatically by operating system. Which to use when? We choose this if we do not want the actual parameters to be modified with formal parameters but just used. We choose this if we do want the actual parameters to be modified with formal parameters. It compares two strings by ignoring the case. Opens a file both for reading and writing. If a file is not existing it creates one, else if the file is existing it will be over written. It cannot be used on constants. It cannot be used on variable which are declared using register storage class. No, it is a structure defined in stdio.

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There is only one operator and is conditional operator? Give the general syntax for the same. A pointer holding the reference of the function is called pointer to a function. In general it is declared as follows. Comma operator can be used to separate two or more expressions. A null statement is no executable statements such as ; semicolon. You would make a function static if it should be called only within the same source code. Ellipses \dots is used for the same. Array is collection of similar data items under a common name. Enumerations are list of integer constants with name. Enumerators are defined with the keyword enum. A variable is the name storage. American National Standards Institute. Yes, with loss of fractional part. No, it contains invalid octal digits. Return a value 1 if the relation between the expressions is true, else 0. If both the corresponding bits are same it gives 0 else 1. If so show an example. Variables belonging to different scope can have same name as in the following code snippet.

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Chapter 7 : Best C Programming Interview Questions And Answers For Freshers

C interview questions are given with the answers in this website. We have given C interview questions faced by freshers and experienced in real interviews in IT industries. Users are welcome to suggest or add any other questions and answers related to C interview questions.

Net Interview questions with answers and explanation. These 25 solved C. Net Programming questions will help you prepare for technical interviews and online selection tests during campus placement for freshers and job interviews for professionals. After reading these tricky C. Net questions, you can easily attempt the objective type and multiple choice type questions on C. What is an internal modifier? What are namespaces, and how they are used? Net framework namespaces are used to manage classes. Why are strings in C immutable? StringBuilder whenever its values will change. What is the difference between public, static and void? Public Modifier in C is most liberal among all access modifiers, it can access from anywhere inside or outside other class. There is no access restriction in public modifiers. Static method is used to declare main method global one and we do not need to create instance of that class. We can access methods of static class by using the class name followed by. Operator and method name. There are two ways of shadowing either through scope or through inheritance. What are the difference between Structure and Class? How does assembly versioning work? What is Custom Control? What is User Control? How can I produce an assembly? An assembly can produce from a. For Example, the following C program:

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Chapter 8 : Interview Questions and Answers For Freshers: C

Compiled, Statically typed, Multi-paradigm and; Free-form. This Language also consists of both high-level and low-level language features. Here is a list of C++ Interview questions with answers which are asked at the time of campus interviews, placements and we have attached pdf also.

The main reason being a candidate who is fresh out of college is not expected to be a master of widely used languages like Java, Python, Perl etc. One advantage with fresher interviews is that there are only limited number of concepts and questions and the same has been repeatedly being asked over years. Answer for this interview question can include below points, though its not complete list. This question itself can be a 1day interview!!! C does not support this. C does not have a built in exception handling framework, though we can emulate it with other mechanism. What is a class? Try to give examples when you answer this question. But a class actually does not define the data, it just specifies the structure of data. To use them you need to create objects out of the class. Class can be considered as a blueprint of a building, you can not stay inside blueprint of building, you need to construct building s out of that plan. You can create any number of buildings from the blueprint, similarly you can create any number of objects from a class. Object is the instance of a class, which is concrete. From the above example, we can create instance of class Vehicle as given below Vehicle vehicleObject; We can have different objects of the class Vehicle, for example we can have Vehicle objects with 2 tyres, 4tyres etc. Similarly different engine capacities as well. There are three access specifiers defined which are public, private, and protected private: Members declared as private are accessible only with in the same class and they cannot be accessed outside the class they are declared. Members declared as public are accessible from any where. Members declared as protected can not be accessed from outside the class except a child class. This access specifier has significance in the context of inheritance. What are the basics concepts of OOP? You should be able to give real life examples for each of these concepts, so prepare yourself with few examples before appearing for the interview. It has seen that even the experienced people get confused when it comes to the difference between basic OOP concepts, especially abstraction and encapsulation. Data members will be declared as private thus protecting from direct access from outside and public methods will be provided to access these data. What would have happened if there was no access methods and the field age was public? Anybody who has a Person object can set an invalid value negative or very large value for the age field. So by encapsulation we can preventing direct access from outside, and thus have complete control, protection and integrity of the data. Data abstraction Data abstraction refers to hiding the internal implementations and show only the necessary details to the outside world. Internally stack can be implemented using arrays or linked lists or queues or anything that you can think of. This means, as long as the push and pop method performs the operations work as expected, you have the freedom to change the internal implementation with out affecting other applications that use your Stack class. Inheritance Inheritance allows one class to inherit properties of another class. In other words, inheritance allows one class to be defined in terms of another class. It helps to modularise the code, improve reusability and reduces tight coupling between components of the system. Most of the times compilers will do optimization to the code to speed up the program. Volatile keyword is used to tell compiler that the variable declared using volatile may be used from outside the current scope so that compiler wont apply any optimization. This matters only in case of multi-threaded applications. In shot, value of the volatile variables will be read from the memory location directly. Page 1 of 4.

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Chapter 9 : C programming Interview questions and answers

C Interview questions with answers. 1. What is a pointer? A pointer is a special variable, which stores the memory address. The 'ampersand' denoted by '&' and the 'dereferencing' factor denoted by '' are the necessities of pointers.*

Next Page Dear readers, these C Programming Interview Questions have been designed specially to get you acquainted with the nature of questions you may encounter during your interview for the subject of C Programming. It de-refers twice to point to the data held by the designated pointer variable. What is keyword auto for? By default every local variable of the function is automatic auto. What are the valid places for the keyword break to appear. Break can appear only with in the looping control and switch statement. The purpose of the break is to bring the control out from the said blocks. Explain the syntax for for loop. How a negative integer is stored. A static local variables retains its value between the function call and the default value is 0. The following function will print 1 2 3 if called thrice. What is a NULL pointer? A pointer pointing to nothing is called so. Used to resolve the scope of global symbol. Prints the formatted output onto the character array. What is the meaning of base address of the array? The starting address of the array is called as the base address of the array. When should we use the register storage specifier? If a variable is used most frequently then it should be declared using register storage specifier, then possibly the compiler gives CPU register for its storage to speed up the look up of the variable. What is a dangling pointer? A pointer initially holding valid address, but later the held address is released or freed. Then such a pointer is called as dangling pointer. What is the purpose of the keyword typedef? It is used to alias the existing type. Also used to simplify the complex declaration of the type. What is lvalue and rvalue? The expression appearing on right side of the assignment operator is called as rvalue. Rvalue is assigned to lvalue, which appears on left side of the assignment operator. The lvalue should designate to a variable not a constant. What is the difference between actual and formal parameters? The parameters sent to the function at calling end are called as actual parameters while at the receiving of the function definition called as formal parameters. Can a program be compiled without main function? Yes, it can be but cannot be executed, as the execution requires main function definition. What is the advantage of declaring void pointers? When we do not know what type of the memory address the pointer variable is going to hold, then we declare a void pointer for such. Where an automatic variable is stored? Every local variable by default being an auto variable is stored in stack memory. What is a nested structure? A structure containing an element of another structure as its member is referred so. What is the difference between variable declaration and variable definition? Declaration associates type to the variable whereas definition gives the value to the variable. What is a self-referential structure? A structure containing the same structure pointer variable as its element is called as self-referential structure. Does a built-in header file contains built-in function definition? No, the header file only declares function. The definition is in library which is linked by the linker. More generic functions definition gives the ability to re-use the functions, such as built-in library functions. What is a token? A C program consists of various tokens and a token is either a keyword, an identifier, a constant, a string literal, or a symbol. What is a preprocessor? Preprocessor is a directive to the compiler to perform certain things before the actual compilation process begins. Can be used to input integer in all the supported format. Does a break is required by default case in switch statement? Yes, if it is not appearing as the last case and if we do not want the control to flow to the following case after default if any. What are bit fields? We can create integer structure members of differing size apart from non-standard size using bit fields. Such structure size is automatically adjusted with the multiple of integer size of the machine. What are command line arguments? The arguments which we pass to the main function while executing the program are called as command line arguments. The parameters are always strings held in the second argument below in args of the function which is array of character pointers. First argument represents the count of arguments below in count and updated automatically by operating system. Which to use when? We choose this if we do not want the actual parameters to be modified with formal parameters but

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just used. We choose this if we do want the actual parameters to be modified with formal parameters. What is the purpose of built-in strcmp function. It compares two strings by ignoring the case. Opens a file both for reading and writing. If a file is not existing it creates one, else if the file is existing it will be over written. It cannot be used on constants. It cannot be used on variable which are declared using register storage class. Is FILE a built-in data type? No, it is a structure defined in stdio. What is remainder for 5. How many operators are there under the category of ternary operators? There is only one operator and is conditional operator? Which key word is used to perform unconditional branching? Give the general syntax for the same. A pointer holding the reference of the function is called pointer to a function. In general it is declared as follows. Comma operator can be used to separate two or more expressions. A null statement is no executable statements such as ; semicolon. What is a static function? You would make a function static if it should be called only within the same source code. Which compiler switch to be used for compiling the programs using math library with gcc compiler? Ellipses '...' is used for the same. Which built-in library function can be used to re-size the allocated dynamic memory? Array is collection of similar data items under a common name. Enumerations are list of integer constants with name. Enumerators are defined with the keyword enum. Which built-in function can be used to move the file pointer internally? Who designed C programming language? C is successor of which programming language? American National Standards Institute. Which operator can be used to determine the size of a data type or variable? Yes, with loss of fractional part. Is a valid octal number? No, it contains invalid octal digits. What is the return value of a relational operator if it returns any? Return a value 1 if the relation between the expressions is true, else 0.