

C interview questions with answer

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1) What is C programming?

C interview questions – C is a Mid-level procedural programming language. The procedural programming language, often known as the structured programming language, is used to break large programs into smaller modules. Every module makes use of structured code. By employing this technique, error and misinterpretation are minimized.

2) Why C is called mother language? – C interview questions

C is said to as a mother tongue because the bulk of compilers and JVMs are written in it. The bulk of languages developed after C, such as C++, Python, Rust, javascript, etc., have heavily borrowed from it. It offers brand-new core concepts for these languages, such as file management, functions, and arrays.

3) What is a token. And their types?

The individual elements of a program are called Tokens. There are following 6 types of tokens are available in C

- Identifiers (**C interview questions**)
- Keywords
- Constants
- Operators
- Special Characters
- Strings

4) What is a Preprocessor in C ? – C interview questions

A preprocessor is a software program that processes a source file before sending it to be compiled. Inclusion of header files, macro expansions, conditional compilation, and line control are all possible with the preprocessor. (**C interview questions**)

5) What is a pointer in C? – C interview questions

C interview questions – A pointer is a variable that stores or points to another variable's address. The value of a variable is stored in a normal variable, whereas the address of a variable is stored in a pointer variable.

6) What is a typecasting in C?

C interview questions – Typecasting is the process to convert a variable from one datatype to another. If we want to store the large type value to an int type, then we will convert the data type into another data type explicitly.

7) What is call by reference in functions?

C interview questions – When we caller function makes a function call bypassing the addresses of actual parameters being passed, then this is called call by reference. In in call by reference, the operation performed on formal parameters affects the value of actual parameters because all the operations performed on the value stored in the address of actual parameters.

8) how to pass an array using call by value in C ? Assuming array is declared locally that is inside main() ?

Generally when we pass array by its name ,its call by address. If we change any value of array outside main() it will be reflected in main().

Here you have to pass the array as an argument of a function inside main() such that any change in that function won't be reflected inside main().

9) What is the difference between 'g' and "g" in C?

In C double-quotes variables are identified as a string whereas single- quoted variables are identified as the. character. Another major difference being the string (double-quoted) variables end with a null terminator that makes it a 2 character array.

10) Difference Between Structure and Array in C?

C interview questions – A key distinction between the two is that whereas a structure has elements of various data types, an array has elements of the same data type. A square bracket and the name of the array come first, then you can include a number defining the size of the array in the declaration.

Structure is a user-defined data type in the C and C++ programming languages. It produces a group of different data kinds. When combining items of potentially different types into one, a structure can be used.

In C, an array is a group of different things that are kept in close proximity to one another in memory.