

COMPUTER LANGUAGE

Interview Questions:

1) Differentiate between low-level and high-level languages.

Low-Level Language	High-Level language
1) Specifically made for computers to execute any task on processor level.	1) Specifically designed for users to carry out a specific task, which can be converted later into low-level language.
2) Further classified into machine language and assembly language.	2) Further classified into conventional and unconventional language.

2) Differentiate between object code and byte code.

Object code	Byte code
1) A platform dependent converted program of source code into machine code	1) A platform independent converted program of source code into machine code
2) Saved with '.obj' extension	2) Saved with '.class' extension

3) Differentiate between compiler and interpreter.

Compiler	Interpreter
1) It generates an object code	1) It doesn't generate object code
2) Compiles whole code at one go.	2) Interprets each statement line by line.

4) Differentiate between procedural and object-oriented programming.

Procedural Programming	Object-oriented programming
1) The problem statement is divided into smaller entities and then solved individually to arrive at the desired result	1) The smaller problems at the individual levels are solved first and then integrated together to get the desired solution.
2) It follows Top to bottom approach.	2) It follows bottom to top approach.

5) Explain what is an IDE, giving examples.

There are many platforms available to the user to implement the codes of C language which are referred to as IDEs (Integrated Development Environment). They provide the user with an editor, automation tool and debugger. Some IDEs may even provide a compiler or interpreter of their own. For example Developer C, Turbo C, GCC, etc.