

INTERVIEW QUESTIONS AND ANSWERS

1. What is JAVA?

Java is the high-level, object-oriented, platform-independent programming language. It was developed by James Gosling in June 1991.

2. What is an assembler?

Assembler is a software which converts an assembly level language code to machine level language code.

3. What is a compiler?

Compiler is a software which converts high level language code to machine level code or high level language code to bytecode (java compiler).

4. What are the features of Java?

- High Performance: Using a JIT (Just-In-Time) compiler allows high performance in Java. The JIT compiler converts the Java bytecode into machine language code, which then gets executed by the JVM.
- Platform Independent: Platform Independent means platform of compilation and platform of execution can be different
- Object Oriented Programming: Abstraction, Encapsulation, Inheritance, Polymorphism
- Multi Threading: A thread is a flow of execution. The JVM creates a thread which is called the main thread. Java allows the creation of several threads using either extending the thread class or implementing the Runnable interface.

5. What is the platform?

The combination of OS and Hardware(Microprocessor) is called as platform

6. What are the main differences between the Java platform and other platforms?

- Java is the software-based platform whereas other platforms may be the hardware platforms or software-based platforms.
- Java is executed on the top of other hardware platforms whereas other platforms can only have the hardware components.

7. What is meant by platform independence?/ What is meant by portable?

It refers to the fact that java programs can be executed on any system irrespective of the OS. Platform of compilation and execution is different.

8. What is meant by architecture neutrality?

If a software is capable of executing on any OS microprocessor combination then it is said to be architecture neutral.