**Java Interview Preparation Notes:**

**Definition of java** – Java is a high level, platform independent, object oriented programming language.

Q. Why platform independent ?

It means that the java compiled code can run in any platform/OS. We don’t need to change the byte code for different OS like C/C++ which are platform dependent.

Q. Explain Java is Platform independent but JVM is platform dependent.

In Java, the main point here is that the JVM depends on the operating system – so if you are running Mac OS X you will have a different JVM than if you are running Windows or some other operating system. This fact can be verified by trying to download the JVM for your particular machine – when trying to download it, you will be given a list of JVMs corresponding to different operating systems, and you will obviously pick whichever JVM is targeted for the operating system that you are running. So we can conclude that JVM is platform-dependent and it is the reason why Java is able to become “Platform Independent”.

Q. Java is purely Object oriented or not?

Java is not considered as pure object oriented programming language because several opp features are not supported by java (operator overloading, multiple inheritances). More over we are depending on primitive data types which are non-objects.