**1.3 JDK Environment and Tools :-**

Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented etc.

Java applications are typically compiled to **bytecode** that can run on any Java virtual machine (JVM) regardless of computer architecture.The latest version is **Java 8**.

Below are the environment settings for both Linux and Windows. JVM, JRE and JDK  all three are platform dependent because configuration of each Operating System is different. But, Java is platform independent.

There are few things which must be clear before setting up the environment

1. **JDK**(Java Development Kit) : JDK is intended for software developers and includes development tools such as the Java compiler, Javadoc, Jar, and a debugger.
2. **JRE**(Java Runtime Environment) : JRE contains the parts of the Java libraries required to run Java programs and is intended for end users. JRE can be view as a subset of JDK.
3. **JVM:** JVM (Java Virtual Machine) is an abstract machine. It is a specification that provides runtime environment in which java bytecode can be executed. JVMs are available for many hardware and software platforms.