**What is JAVA? What it is used for?**

**Java** is a general-purpose, class-based, object-oriented programming language designed for having lesser implementation dependencies.

It is a computing platform for application development.

Java is fast, secure, and reliable, therefore, it is widely used for developing Java applications in laptops, data centres, game consoles, scientific supercomputers, cell phones, etc.

USES:

* It is used for developing Android Apps
* Helps you to create Enterprise Software
* Wide range of Mobile java Applications
* Scientific Computing Applications
* Use for Big Data Analytics
* Java Programming of Hardware devices
* Used for Server-Side Technologies like Apache, JBoss, GlassFish, etc.

**How to install java in your machine?**

**Step 1)** Go to [link](https://www.oracle.com/java/technologies/javase-downloads.html). Click on JDK Download for Java download JDK 8.

**Step 2)** Next,

1. Accept License Agreement
2. Download Java 8 JDK for your version JDK download 64 bit.

**Step 3)**When you click on the Installation link the popup will be open. Click on I reviewed and accept the Oracle Technology Network License Agreement for Oracle Java SE development kit and you will be redirected to the login page. If you don’t have an oracle account you can easily sign up by adding basics details of yours.

**Step 4)**Once the Java JDK 8 download is complete, run the exe for install JDK. Click Next

**Step 5)** Select the PATH to install Java in Windows. You can leave it Default. Click next. Once you install Java in windows, click Close.

**What is java, javac, javap command for?**

* java -used to execute the byte code of java. It takes byte code as input and runs it and produces the output.
* javac - responsible to compile Java programs, it takes .java file as input and produces byte code.
* javap - can be used to help developers understand the mechanism of the Java compiler

**What is jar and war?**

**JAR** stands for **Java ARchive.jar files:** The .jar files **contain libraries, resources and accessories files** like property files.

WAR stands for Web application Archive. The war file **contains the web application** that can be deployed on any servlet/jsp container. The .war file **contains jsp, html, javascript** and other files necessary for the development of web applications.

**What is platform independent in java?**

The meaning of platform-independent is that the java compiled code (byte code) can run on all operating systems.  In other words, you can write your code once and then run it anywhere, on any platform that provides the environment to run it. This environment is the Java Virtual Machine (JVM). The JVM should be present to execute the code.