**What is JAVA?**

Java is a simple, secured, portable, high-performance, platform independent programming language, by using java we can develop mobile, desktop, web, enterprise and distributed application.

**What are the java variants?**

ME

SE

EE

Embedded

Card

TV

**What is Java SE?**

Java Platform Standard Edition ([Java SE](https://www.oracle.com/java/technologies/java-se.html), J2SE), by using this, we can develop and deploy Java applications on desktops and servers.

**What is JDK?**

JDK stands for Java Development Kit. JDK is a development environment for building desktop, web, enterprise, distributed applications.

JDK includes tools useful for developers to develop and test java applications and running on the Java platform.

**What are the Types of JDKs?**

JDK, Open JDK, Oracle JDK

Same features and performance

Difference in licensing

**What is Oracle JDK?**

Oracle JDK is Oracle's supported Java SE version for customers and for developing, testing and demonstrating Java applications.

**What is Open JDK?**

Open JDK **is meant for developers which** offers the same features and performance as Oracle JDK but Difference in licensing.

**Why Oracle providing different Oracle JDKs for Different Operating Systems/Platforms?**

JDK is Platform Dependent, because of Operating Systems such as Windows, Linux, mac and etc are developed by different programming languages, and java is also programming language, if java wants to communicate with different languages, then java needs a different types translators.

Due to this Oracle providing different Oracle JDKs for Different Operating Systems Platforms

W**hat is JRE?**

Stands for Java Runtime Environment, by using JRE, we will run the java applications, which are developed by using JDK.

**What are the Types of JREs?**

Private JRE, which is available in JDK

Client JRE

Server JRE

**Which Java package do I need?**

* **Software Developers: JDK**(Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.
* **Administrators running applications on a server:  Server JRE**(Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer.
* **End user running Java on a desktop: JRE:**(Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system.

What is web site?

What is Web application?

What is Enterprise Application?