Just Another Virtual Accelerator

JAVA

Java is a popular programming language, created in 1995.

It is owned by Oracle, and more than 3 billion devices run Java.

JAVA is built with the concepts of Object Oriented Programming that revolve around real life entities.

**It Is Used For:**

* Mobile applications (specially Android apps)
* Desktop applications
* Web applications
* Web servers and application servers
* Games
* Database connection
* And much, much more!

**Uses Of JAVA**

* Java works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc.)
* It is one of the most popular programming language in the world
* It has a large demand in the current job market
* It is easy to learn and simple to use
* It is open-source and free
* It is secure, fast and powerful
* It has a huge community support (tens of millions of developers)
* Java is an object oriented language which gives a clear structure to programs and allows code to be reused, lowering development costs
* As Java is close to [C++](https://www.w3schools.com/cpp/default.asp) and [C#](https://www.w3schools.com/cs/default.asp), it makes it easy for programmers to switch to Java or vice versa

**How To Install JAVA?**

* To check if you have Java installed on a Windows PC, search in the start bar for Java or type the following in Command Prompt (cmd.exe):

Java -version

* If Java is installed,you will get some information of java

If you do not have Java installed on your computer, you can download it for free at [oracle.com](https://www.oracle.com/technetwork/java/javase/overview/index.html).

**What Is JAVA JDK?**

The Java Development Kit (JDK) is a cross-platformed software development environment that offers a collection of tools and libraries necessary for developing Java-based software applications and applets. It is a core package used in Java, along with the JVM (Java Virtual Machine)\_ and the JRE (Java Runtime Environment).

**What Is JAVA JVM?**

JVM(Java Virtual Machine) acts as a run-time engine to run Java applications. JVM is the one that actually calls the main method present in a java code. JVM is a part of JRE(Java Runtime Environment). Java applications are called WORA (Write Once Run Anywhere).

**What Is JAVA JRE?**

Java Runtime Environment (JRE) is an open-access software distribution that has a Java class library, specific tools, and a separate JVM. JRE is one of the interrelated components in the Java Development Kit (JDK).

**What Are Methods In JAVA?**

Java Method is a collection of statements that perform some specific task and return the result to the caller.Methods in Java allow us to reuse the code without retyping the code.

**What Are Classes?**

Class is a set of objects which shares common characteristics/ behaviour and common properties/ attributes.Class is not a real world entity. It is just a template or blueprint or prototype from which objects are created.Class does not occupy memory.Class is a group of variables of different data types and group of methods.

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