# Java

## Components Of Java

### Java Virtual Machine(JVM)

### Java Runtime Environment(JRE)

### Java Development Kit(JDK)

### Java Virtual Machine(JVM)

A Java virtual machine (JVM) is **a virtual machine that enables a computer to run Java programs as well as programs written in other languages that are also compiled to Java bytecode**. The JVM is detailed by a specification that formally describes what is required in a JVM implementation.

### Java Runtime Environment(JRE)

JRE is an acronym for Java Runtime Environment. It is also written as Java RTE. The Java Runtime Environment is a set of software tools which are used for developing Java applications. It is used to provide the runtime environment. It is the implementation of JVM. It physically exists. It contains a set of libraries + other files that JVM uses at runtime.

### Java Development Kit(JDK)

JDK is an acronym for Java Development Kit. The Java Development Kit (JDK) is a software development environment which is used to develop Java applications and [applets](https://www.javatpoint.com/java-applet). It physically exists. It contains JRE + development tools.