

# **Java Development Kit, Java Runtime Environment, and Java Virtual Machine.**

Java Development Kit is a set of development tools that makes up a software development environment used for developing Java applications and applets. An applet is a small program that performs one or few simple functions. The elements available in the Java Development kit are Java Runtime Environment (JRE), an interpreter/loader (Java), a compiler (javac), an archiver (jar), a documentation generator (Javadoc) and other tools needed in Java development. JDK is used to develop java applications and run them.

Java Runtime Environment is a set of software tools that help in running java programs, they help in runtime period. They include the Java Virtual Machine (JVM), core classes, and supporting files. JRE is used to only run java applications, not develop them.

Java Virtual Machine is an inbuilt system in both Java Developer Kit and Java Runtime Environment it is where the running of each java code written is done. It is considered as the developer as it is the one that interprets the codes.

To understand more about JDK, JRE, and JVM we can say that JDK is made up of JRE and Development tools while JVM is made of JRE and different libraries.