**Difference between JVM and JRE**

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| **JDK** | **JRE** | **JVM** |
| JDK stands for Java Development Kit. | JRE stands for Java Runtime Environment. | JVM stands for Java Virtual Machine. |
| It is a software development kit that helps in the development of applications in Java. Along with JRE, the JDK includes other various development tools. | It is a kind of software package that provides class libraries of Java with JVM. Moreover, it includes other components for running the Java applications. | It is a platform-independent abstract machine that includes a loader, runtime data, and execution engine. It is also known as a Java interpreter. |
| JDK is platform-dependent. For each OS platform (Linux, Windows, Mac, etc.) users are required to install a different JDK. | JRE is also platform-dependent like JDK. | Unlike JDK and JRE, JVM is platform-independent, which means users won’t require different JVM for each OS platform. |
| It consists of various tools for debugging, monitoring, and developing java applications. | It contains various supporting files for JVM and the class libraries that help JVM in running the program. | JVM particularly does not consist of any tools for software development. |
| JDK is the superset of JRE. | JRE is the subset of JDK. | JVM is a subset of JRE. |
| JDK comes with the installer for OS. | JRE only contains an environment to execute source code. |  |