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| **Difference between JDK, JRE and JVM** |
| **JVM**   |  | | --- | | JVM (Java Virtual Machine) is an abstract machine.  It is a specification that provides runtime environment in which java bytecode can be executed. | | JVMs are available for many hardware and software platforms. JVM, JRE and JDK are platform dependent because configuration of each OS differs. But, Java is platform independent. | | The JVM performs following main tasks:   * Loads code * Verifies code * Executes code * Provides runtime environment | |  |   **JRE**   |  | | --- | | JRE is an acronym for Java Runtime Environment.It is used to provide runtime environment.It is the implementation of JVM.It physically exists.It contains set of libraries + other files that JVM uses at runtime. | | Implementation of JVMs are also actively released by other companies besides Sun Micro Systems. | | C:\Users\rajiv.gupta\Desktop\java notes\jre2.jpg |   **JDK**   |  | | --- | | JDK is an acronym for Java Development Kit.It physically exists.It contains JRE + development tools. | |  | |

