

Author: Fiona Nganga and Dirac Murairi
Question

JVM: Java virtual machine

Java virtual machine is a virtual machine or software part of the java runtime environment. A JVM is responsible for executing a java program in bytecode line by line and executing a program written in another language compiled in java bytecode.

JRE: Java runtimes environment

Java runtime environment is a package of tools and libraries required to run a java-based application. It's responsible for loading all classes or dependencies of a java application into the byte code created by the compiler when needed in the program. The environment is what creates the JVM.

JDK: java development kit

Java development kit is a software development environment that offers all Software components, libraries, and classes needed or necessary to develop a Java-based application. A JDK includes a Java runtimes environment and a compiler responsible for rendering raw java files into java executable files and tools necessary for developers to develop the applications.