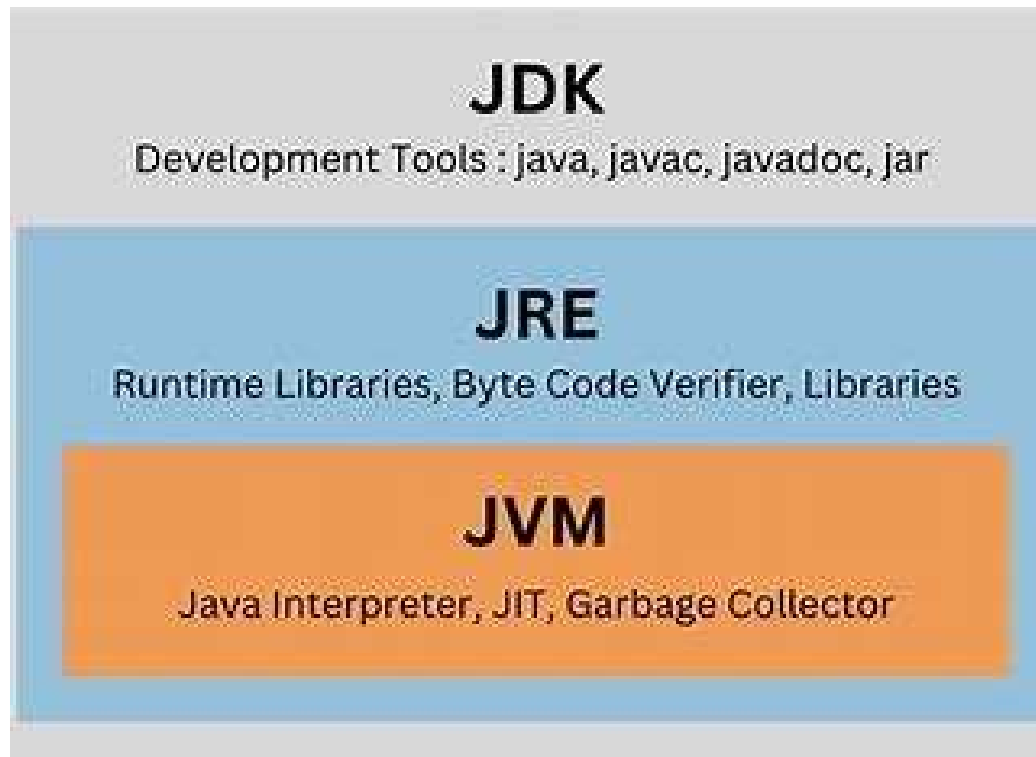


JDK,JRE and JVM

24 October 2024 18:41

These three components work together to allow java code to develop ,compile and executed the java programs.

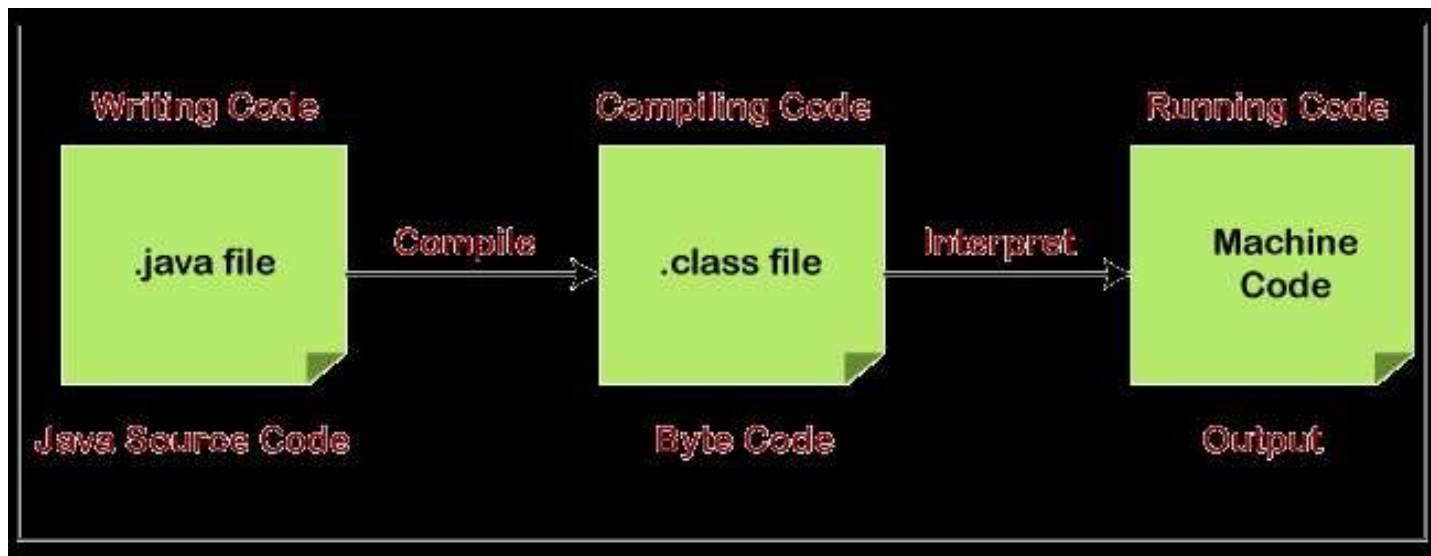
JDK(JAVA DEVELOPMENT KIT):



- JDK provides everything needed to develop and compile java programs.
- Components:
 - Compiler : convert source code to byte code(.class file).
 - JVM: part of jdk to run java applications
 - JRE: runtime environment
 - Development tools : javac, javadoc ...

2. JVM(JAVA VIRTUAL MACHINE):

- That runs byte code and execute it
- Memory management: it manages allocation and deallocations of memory Garbage collector



3.JRE(JAVA RUNTIME ENVIRONMNET):

- IT IS RUNTIME ENVIRONMENT THAT ALLOWS YOU TO RUN JAVA APPLICATIONS.
- Components:
 - JVM: That runs byte code and execute it
 - CORE LIBRARIES: java.lang, java.util

