JDK, JRE and JVM

Q1. What is JDK?

Ans. The JDK is the development platform for building Java applications.

Q2. What is JRE ?

Ans. The JRE is software that Java programs require to run correctly.

Q3. What is JVM ?

Ans. JVM is an abstract machine. It is a specification that provides runtime environment in which java bytecode can be executed.

Q4. What is the full form of JDK?

Ans. Full form of JDK is **Java Development Kit**.

Q5. What is the full form of JRE?

Ans. Full form of JRE is **Java Runtime Environment**.

Q6. What is the full form of JVM?

Ans. Full form of JVM is **Java Virtual Machine**.

Q7. What is the difference between JDK , JRE and JVM ?

Ans. The Difference Between JDK JRE And JVM In Java

JDK	JRE	JVM
• JDKs are primarily used to execute codes. Primarily, it is used for development.	As a code execution environment, JRE plays an important role.	In the JVM, all implementations are specified. JRE relies on it for all of these implementations.

• Java Development Kit (JDK) allows developers to develop Java applications. Besides the JRE, the JDK also includes tools for developing applications (Java Debugger, JavaDoc, compilers, etc.).	In Java, the Runtime Environment (JRE) implements the Java Virtual Machine (JVM). For running Java applications, it provides class libraries, JVM, and various other components.	Known as the Java Virtual Machine (JVM), it is a platform-independent abstraction machine with three notions. JVM requirements are described in this document.
• JDKs are platform-dependent. Each platform requires a different JDK.	The JRE is also platform-dependent, just like the JDK. Every platform requires a different JRE.	JVMs are platform-independent. That means you don't need different JVMs for different platforms.

• Here is a diagram to understand it properly