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First of all, **Java Development Kit (JDK)** is a package that contains different tools that are necessary for developing, packaging, control, and monitoring all applications that are built to be run on Java applications. The JDK consists of Java Runtime Environment(JRE), Interpreter, Compiler, Archiver, and a Document Generator.

Furthermore, the **Java Runtime Environment(JRE)** is an environment that is necessary for running java codes on a certain device/computer. This is basically because every software needs to execute and to do this it needs an environment to run in. JRE is a software layer that runs on top of the existing operating system of a certain computer.

Lastly, the **Java Virtual Machine** is a running software system responsible for executing live Java programs.

Differences between JDK, JRE, and JVM
The key difference between JDK, JRE, and JVM is that JDK is a software development kit/package while JRE is a software environment necessary to run Java codes, and JVM is the environment for executing the codes.

How JDK, JRE, and JVM can work together?
JDK, JRE, and JVM are platform dependent because the configuration of each OS differs even though Java is platform-independent(works on

all platforms).