These computers or chips understand only one thing, which is called machine language or code. These machines codes run at the CPU level. Therefore, it would be different machine codes for other models of CPU.

However, you need to worry about the machine code, as programming is all about the Source code. and translates them into machine understandable code, which is an execeutable code.

All these fusnctionalities happen inside the following 3 Java platform components

Java Development Kit (JDK):-

JdK is a software development environment used for making applet and Java applications. The full form of JDK is Java Development Kit.

JDK helps them to code and run Java programs. It is possibl to install more than one JDK version on the same computer.

Why use JDK?

* JDK contains tools required to write Java programs and JRE to execute them.

* It includes a compli Compiler, Java applications launcher, Appletviewer, etc.

* Compiler converts code written in Java into byte code.

* Java Applications launcher opens a JRE, loads the necessary class, and executes it's main method.

Java Virtual Machine (JVM):

JVM is an engine that provides a runtime environment to drive the Java code. or Applications. If Converts Java byteode into Machine language. JVM is a part of the Java Run Environment (JRE). In other programming language, the compiler produces machine code for a particular system. However, the Java compiler produces code for a Virtual machine. Known as Java Virtual machine.