JAVA Basic

JAVA program Phases are as follows:

1. write the program : Writing of the program is of course done by java programmer
2. Compile the program : Compilation of program is done by javac compiler, javac is the primary java compiler included in java development kit (JDK). It takes **java** **program** as input and generates **java** **bytecode** as output.
3. At last we run the program. : JVM executes the bytecode generated by compiler. This is called program run phase.

NOTE: **Each operating system has different JVM, however the output they produce after execution of bytecode is same across all operating systems**.

**JDK**: Compiles JAVA program to Byte code. (It consists of debuggers, JavaDoc and Compilers)

**JVM**: It will Executes the Bytecode

**JRE**: JVM along with Java runtime libraries it will executes the Java program. (It includes JVM, browser plugins and applets support.

**Operators**

## Arithmetic Operators

Basic arithmetic operators are: +, -, \*, /, %

**Comparison (Relational) operators**

We have six relational operators in Java: ==, !=, >, <, >=, <=

## Logical Operators

Logical Operators are used with binary variables. They are mainly used in conditional statements and loops for evaluating a condition.

Logical operators in java are: &&, ||, !