

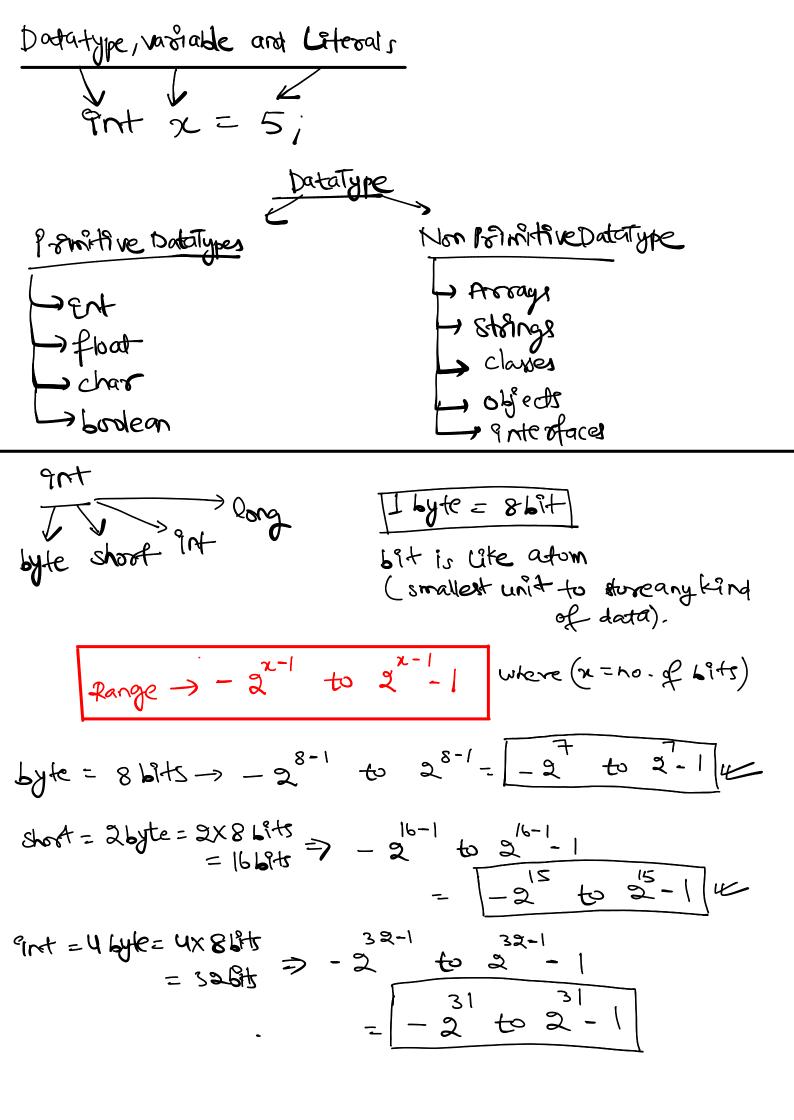
Programmer writes java code(Main.java) and compile it with compiler(javac), which converts the program into byte code(Main.class), which is being understood by the computer and since JVM is responsible for running the program and whole process, it looks for entry point(Main class) through which it can start executing the program. JVM needs some environment in which it can execute the java program which is called as JRE(it has some existing files which helps to run the java program), and all this can be available inside a kit which is known as JDK(which comprise of both JVM and JRE)

Java is platform Independent ,that means it can run on any operating system , but JVM is platform dependent , that means for every OS , there will be a diffrent type of JVM which is needed to run Java

javac- java compiler

Byte Code - which is converted by the compiler for computer to understand the code written by programmer

JVM - Java Virtual Machine JRE- Java Runtime Environment JDK- Java Development Kit



Cong = 8 byte = 8×8 bits =
$$-2$$
 to $2-1$
= 64 bits
= -2 to 2^{63}
= -2 to 2^{63}

Default value for integer type data type is "int"

Float double

float = 4 byte = 4x8 = (upto I decimal digits)

= 32685

double = 8 byte = 8x8 (upto 14 decimal digits).

= 64685 (upto 14 decimal digits).

Sefault value of float data type is "double".

char = 2648 = 2x8 = 166th (Et stores UNICODE, not).

boolean

St stores only 2 type of values (true) false)

boolean= 1 byte= 8 bits.

flow to deal with default values on the should be explicitly long as 2436l; ("l'and 'f' should be explicitly).

Though he 2.43f; mentioned to denote datatype.

Printitive DataType

pre-defined

ext 9nt, flood char, busken)

Extractly written 9n language

Non-Printive Doda Type

(wer - defined data type)

ex class, objects, arrays, strings.