Operators

Used to perform operations on the operands

A+b

1.Arithmetic operator-🡪+,-,\*,%

2.Relationaloperator🡪==,>=,>=,<,>,!=

3.Assignment operators🡪- =,+=,\*=,%=

4.logical operators-🡪&&,||,!

5.increment🡪++

6.decrement🡪--

7.conditional operators

AND

F0 F0 🡪F0

T1 F0-🡪F0

F0 T1-🡪F0

T1 T1-🡪T1

OR

F0 F0 🡪F0

T1 F0-🡪T1

F0 T1-🡪T1

T1 T1-🡪T1

Class 3 members

1.Varaibles

2.Methods

3.Constructors

Variables-🡪

Why..?-🡪store the data/elements

What..?-->named memory location which can store the value and this value can change n no o times during execution

Example..?

DataTypes /Primitive type

1.byte -🡪1 byte

2.short-🡪2 byte

3.int--🡪4byte

4.long🡪8 byte

5.float🡪4byte

6.double->8byte-🡪decimal

7.char---🡪’A’

8.boolean-🡪true ,false

Formula to calculate the range

1 byte=8bits

N=8;

-2n-1 to 2n-1

-27 to 27

-128 to 127

Variable declaration

Syntax: datatype variablename;

Eg: int a;

Variable initialization

Syntax: varaiblename = value;

Eg: a=10;

Variable declaration and initialization in single line

Datatype varaiblename=value;

Double b=0.90;

Variable re-initalization

Syntax: varaiblename=newvalue;

A=20;

A=100;

Copy the value from 1varaible to another

Int a=100;

Int b=a;

Utilization

System.out.print(“value”);

String empName="Johnny";

**int** phoneNumb=989876789;

String subnmae="javaseenium";

**double** salary=234.9899;