Imp Notes: code execution always starts from main function

Is flow of execution is always top to bottom and left to right

=> Comments c) it is statement which doesn't get executed lypes :-1) // :- single-line comment

a) /* */:- multi-line comment

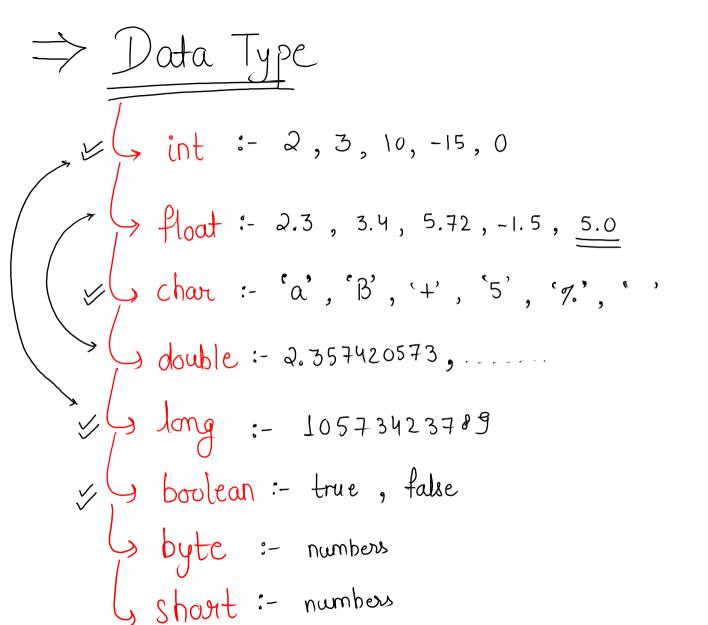
Comment example

```
public static void main(String[] args) {
    // System.out.println("******");
    System.out.println("*");
    System.out.println("*");
    /*
    System.out.println("*");
    System.out.println("******");
    */
}
```

> Variables

a variable is a container used to store data

=> Constant :- which is having fixed value



Syntex: dedaing a variable

- int $\alpha = 5$;
- char b = (Z');
- 3) boolean C = false;
- 4) float d = 7.3;
- 5) double e = 7.315278905;

=> Operators: - which are used to evaluate ce mathematic expression

Assignment operator:

int a = 7;

Note:- it always work from right to left

$$3) >= :- 5 < 2 (+0.00)$$
 $3) >= :- 5>=5 (true)$
 $4) <= :- 7<=8 (true)$

3)
$$\Rightarrow = :- 5 \Rightarrow = 5$$
 (true)
4) $\langle = :- 7 < = 8$ (true)
5) $== :- 7 = = 5$ (false)

5) == :-
$$7 == 5$$
 (false)
6) $!=$:- $7!= 5$ (true)

a-- :- post decrement J-1
-- a :- pre decrement J-1

Sum and Difference of x and y

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
                           int sum = x + y;
```

int diff = x - y;

System.out.println(sum);

System.out.println(diff);

Area and Perimeter 5

```
if p := 5; int length = 5; int breadth = 10;
         area = length * breadth;

peremeter = 2 * (length + breadth);
         public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int length = scn.nextInt();
    int breadth = scn.nextInt():
                           int breadth = scn.nextInt();
                               int area = length * breadth;
                               int paremeter = 2 * (length + breadth);
                               System.out.println(area);
                               System.out.println(paremeter);
```

Fahrenheit and Celsius

```
iff double f = 75.2;

double C = (f - 32) \times \frac{5}{9}
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    double f = scn.nextDouble();

    double c = (f - 32) * 5 / 9;
    System.out.println(c);
}
```

Add Last Digits

int
$$a = 57$$
;
int $b = 28$;
int $an = 7+8 = 15$

```
a = \frac{224}{2}

int b = a 7.10;
```

```
codo
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int a = scn.nextInt();
    int b = scn.nextInt();

    int digit1 = a % 10;
    int digit2 = b % 10;

    int ans = digit1 + digit2;
    System.out.println(ans);
```