There operator int
$$a = 5$$
;

$$\frac{\text{print}(a++)}{\text{print}(a)} \stackrel{\text{a=5}}{\Rightarrow} \text{print}(a);$$

$$\text{print}(++a) \stackrel{\text{a++}}{\Rightarrow} \text{print}(a);$$

Note:

int b = 6;

1)
$$b = b + 2;$$

also, $b + = 2;$

2) int $c = 7;$
 $c = c - 3;$

also, $c - = 3;$

Quel Print final value of a, b, c.

<u> </u>			
int $a = 5$;	a = 5	6	C
L) b = a++	6	Ŋ	J
2) $C = b + +$	6	6	5
3) (1 = ++b	7	77	5
4) b = ++C	7	6	6
5) C = ++Q	8	6	8
6) a = b ++	6	+	8
7) b = ++C	6	9	9
(S) C = Q++	7	9	6

$$0=7$$
, $b=9$, $c=6$

Ouel Print a, b and c

CL	b	C
6	6	-
6	7	7
7	8	7
7	7	8
8	7	8
15	7	8
15	-1	8
15	-1	7
15	-1	7
15	-2	7
16	-2	7
	6 6 7 7 8 15 15 15 15	6 6 7 7 8 7 8 7 15 7 15 -1 15 -1 15 -1 15 -1

$$0 = 16, b = -2, c = 6$$

```
=> (Conditions
 1) if condition
 if (condition) {

if (5 > 3) {

System.out.println("41i");

}
       print the no. if it is greater than loo
```

Ouel print the no. if it is greater than

int n = scn.nextInt(); // 110

if (n > loo) {

System. out. println (n);

3

 $\chi = -3$

ans = -6

Over print a given no. if it is +ve, otherwise double it and print int
$$x = 7$$
; $\longrightarrow 7$

of $(x >= 0)$?

Syso(x);

Syso(x);

Syso($x >= 0$);

Adult or not 1

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

    if ( age >= 18 ) {
        System.out.println("Adult");
    } else {
        System.out.println("Below age");
    }
}
```

Note:

1) it always checks from top to bottom

Shop Discount

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

    int price = units * 100;
    if ( price > 1000 ) {
        int discount = price / 10;
        price -= discount;
    }

    System.out.println(price);
}
```

High Sum or Low Sum

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
   int sum = x + y;
       (sum >= 100) {
        System.out.println("High Sum");
        System.out.println("Low Sum");
```

Print Bonus

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int salary = scn.nextInt();
    int years = scn.nextInt();
    if ( years > 5 ) {
        int bonus = (salary * 5) / 100;
        System.out.println(bonus);
    } else {
        System.out.println(0);
```