T bb T practice boolean ans = (3>2) && (4>3); // true boolean aru = (40>3) && (40<5); // false boolean ans = (40 >= 40) || (50 >= (2*3)); //trueboolegn ans. = (2 * 3 = = 4) kk (6 * 4 = = 24)) || (4 > 2) % trueboolean ans = !(2 + 5! = 10)=) ((10 1=10) =) ! (false) = True

int
$$a = 5$$
;

[a++ :- post inc. :- will increment value later ++a]:- pre inc. :- will increment value first

Note:- $a = 5$

print $(a++)$; \Rightarrow print (a) ;

 $a++$; // 6

 $a++$; // 6

 $a++$; // 6

Quel Print value of a, b, C

	int a = 5	Q = 5	b	С
1)	b = a++;	6	ر ح	→
2)	C = b++;	6	6	5
3)	a = ++b;	7	7	5
4)	b = ++C;	7	6	6
5)	C = ++a;	8	6	8
6)	Q = b++;	6	7+	8
7)	b = ++C;	6	9	9
8)	C = 0++5	7	9	6

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

Note:
$$a = 5$$
, $b = 6$

$$a = a + b$$
; // 11
$$a + b = b$$
 // 11

Quel Print a, b, c

	Q = 5	Q=5	Ь	C		
L)	b = ++a	6	6	J		
2)	C = ++p	6	7	7		
3)	a = b++	7	8	7		
4)	p = C++	7	7	8		
5)	C = ++a	8	7	8		
6)	a+= b	15	7	8		
7)	b −= C	15	-	8		
8)	C+=b	15	-1	7		
9)	b	15	-1	7		
10)	Q++	15	-2	7		
11)	C	16	-2	7		
a = 16, $b = -2$, $c = 6$						

2b = -2 2a = 16 2c = 6

```
if (5 > 3)?

System.out.print("Hi");
```

Ouel print the given no. if it is greater than 10 n=9 int n=scn.nextInt(); r=15 code r=15 r=15

2) rif (condition) &

// statement L

J else {

// statement 2

// statement 2 if (5>7) { print ("Hi");

J else?

print ("Hello"); (both can never execute) Ouel Print a given no. if it is the, otherwise print double of its value int n= scn. nextInt(); $\begin{array}{l} \text{ if } (n > 0) \\ \text{ print } (n); \\ \text{ Jelse } \\ \text{ print } (2*n); \\ \text{ y} \end{array}$ $\eta = 7 \Rightarrow 7$ $\eta = -4 \Rightarrow -8$ $\eta = 0 \Rightarrow 0$

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");
    }
}
```

Shop Discount

```
int units = 15;
total Cost = 15 * 100 = 1500
discount = 1500 \times 10 = 150
final (ost = 1500 - 150
         = (350)
                             public static void main(String[] args) {
                                 Scanner scn = new Scanner(System.in);
                                 int units = scn.nextInt();
                                 int totalCost = units * 100;
                                 if ( totalCost > 1000 ) {
                                     int discount = (totalCost * 10) / 100;
                                    totalCost = totalCost - discount;
                                    // totalCost -= discount;
                                 System.out.println(totalCost);
                             }
```

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;
    if ( sum >= 100 ) {
        System.out.println("High Sum");
    } else {
        System.out.println("Low Sum");
```