#### Greater than 100 or not

int 
$$x = 10$$
 false  
 $x = 110$  true  
String ans =  $(x > 100)$ ? "True": "False";

ernary operator

Tennary operator int 
$$x=4$$
;

int  $a = (x==3)$ ?  $5:7$ ;

print (a);

## **XYZW**

```
int x = 5;

int y = 6;

int z = 10;

int w = 3;
```

}

```
boolean any = ((x * y) = = (z * w));
```

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

int w = scn.nextInt();

int z = scn.nextInt();

```
String ans = ((x * y) == (z * w)) ? "True" : "False";
System.out.println(ans);
```

Note:- char 
$$a = (c)$$
;

String  $b = "+-53AbcZ325"$ ;

## Even or not

int 
$$a = \frac{54}{3}$$
;

boolean ans =  $(a.7.2) = = 0$ ;

ex: 
$$[12.7.2 = 0]$$
 true  $2.112$ 

13%2==0

false

# code

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

    String ans = ((a % 2) == 0) ? "True" : "False";
    System.out.println(ans);
```

### Sum is less than 150 or not.

```
int x = 50;
int y = \frac{51}{52}; int z = \frac{52}{52};
int sum = (x+y+z);
boolean ars = (sum > 150);

Ly true or false
          public static void main(String[] args) {
               Scanner scn = new Scanner(System.in);
               int x = scn.nextInt();
               int y = scn.nextInt();
               int z = scn.nextInt();
               int sum = (x + y + z);
               String ans = (sum < 150) ? "True" : "False";</pre>
               System.out.println(ans);
```

> Logical operators
AND, NOT, OR operator

a	b	C
十	T	T
+	F	F
F	T	F
F	F	F

F T F
F F F

(if anyone is false then)
ons is false

() K			
	a	<del>م</del>	C
	T	Т	T
	T	F	7
	F	T	十
	F	F	٢

( if anyone is true then) answer will be true

$$\frac{\text{MOT}}{\text{I}} \quad \frac{\text{Q}}{\text{F}} \quad \frac{\text{C}}{\text{F}}$$

$$0 = 0 = 0 = 0$$

boolean ons =  $0 = 0 = 0$ 

boolean on = (40 >= 40) | (50 >= (2 \* 30)) :- True

boolean ans = 
$$((3*3 == 4) \times (6*4 == 9)) || (4>2) :- True$$
  
boolean ans =  $|(2*5 |= 10)$  :- True