int x = 0;

int y = 4;

int z = 10;

if ((y > z) || (x < 3))

x = y;

else

x = z/2;

if ((x > y) && (y < z))

x = x + 2;

else

x = x + 10;

println(x);

the result is 14.

- **FIRST IF STATEMENT**

b_1	Or(||)	b_2
(y>z)	Or	x<3
4>10	Or	0<3
False	Or	true

If (b_1 or b_2) = true

Therefore

x=y=4

- **SECOND IF STATEMENT**

b_1	And(&&)	b_2
x>y	And	y<z
0>4	And	4<10
false	And	True

If ($b_1$andb_2) = false

Therefore

x=x+10

4+10=14