Print final z (do what it says)

Take input three numbers x, y, z as an integer input

Then if the value of x is greater than or equal to 20,

- a. If the value of y is greater than or equal to 100 then add 100 to the value of z.
- b. If the value of y is less than 100 and greater than or equal to 50, then add 50 to the value of z.
- c. Else add 10 to the value of z.

Else if the value of x is less than 20,

- a. If the value of y is greater than or equal to 100 then add 3 to the value of z.
- b. If the value of y is less than 100 and greater than or equal to 50, then add 2 to the value of z.
- c. Else add 1 to the value of z.

Print the **final value of z** as an integer output in the end.

$$-\infty \longrightarrow +\infty$$

```
public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
     int x = scn.nextInt();
     int y = scn.nextInt();
     int z = scn.nextInt();
     if (x >= 20) {
   if ( y >= 100 ) {
   z += 100;
} else if ( y < 100 && y >= 50 ) {
   z += 50;
} else {
   z += 10;
}
                                                                  Indentation
   if ( y >= 100 ) {
   z += 3;
} else if ( y < 100 && y >= 50 ) {
   z += 2;
} else {
   z += 1;
}
     System.out.println(z);
```

}

runner up 3

$$0.0 = 120$$
 $0.0 = 11$
 $0.0 = 10$

$$(a < b < c) OR (a > b > c)$$

then b will be 2^{nd} largest

```
9>6 28 p>c
a = 120 dry 9101)
b_1 = 11
c = 400
     public static void main(String[] args) {
         Scanner scn = new Scanner(System.in);
       int a = scn.nextInt();
       int b = scn.nextInt();
       int c = scn.nextInt();
         if ( ( b < a && a < c ) || ( b > a && a > c ) ) {
    System.out.println(a);
        _} else if ( (a < b && b < c) || (a > b && b > c) ) {
             System.out.println(b);
        -} else if ( (a < c && c < b) || (a > c && c > b) ) {
            System.out.println(c);
```

Tell about x y

Take in two inputs **x** and **y** from the user, and then

a. If the value of x is greater than or equal to 59 and y is greater than or equal to 10, then print

X is greater than or equal to 59 and y is greater than or equal to 10

b. If the value of x is greater than or equal to 50, and y is less than 10, then print

X is greater than or equal to 50 and y is less than 10

c. Else print None of the condition matches

if
$$(x) = 59 \text{ A& } y > = 10)$$
 {

print statement 1

3 clse if $(x) = 50 \text{ A& } y < 10)$ {

print $S2$

J else {

p $S3$

J



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

    if (x >= 59 && y >= 10) {
        System.out.println("X is greater than or equal to 59 and y is greater than or equal to 10");
    } else if ( x >= 50 && y < 10 ) {
        System.out.println("X is greater than or equal to 50 and y is less than 10");
    } else {
        System.out.println("None of the condition matches");
    }
}</pre>
```

Print the final incremented salary

```
public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
     int age = scn.nextInt();
     int salary = scn.nextInt();
     int exp = scn.nextInt();
   if ( age > 60 && salary > 20000 && exp > 20) {
    salary += 5000;
} else if ( age > 40 && salary > 15000 && exp > 10 ) {
    salary += 2000;
} else if (age > 30 && salary > 10000 && exp > 5) {
    salary += 500;
     System.out.println(salary);
}
```

```
>> Switch Statement
Syntex - Switch (condition) {
              case val1:
                   // statement 1
                   break;
              case val2:
                  // statement 2
                   break;
              case val3:
                   // statement 3
                   break;
              default:
                 // statement 4
                  break;
```

Mote:always checks
from top to
bottom.

```
(X:-
```

```
public class Main {
    public static void main(String[] args) {
        int x = 30;
        switch(x) {
            case 10 :
                System.out.println("A");
                break:
            case 20 :
                System.out.println("B");
                break;
            case 30 :
                System.out.println("C");
                break;
            case 40 :
                System.out.println("D");
                break;
            case 50 :
                System.out.println("E");
                break:
            default :
                System.out.println("F");
                break;
```

disad vantage

L) only I variable can be checked out a time