If Statements Part 2 Homework

Question 1

In your own words explain the difference between the OR and AND operators. Also explain the difference between a single equal sign and a double equal sign.

Question 2

Complete the code below to make it work. The code should print "Nice job" if x is greater than 15 or (x plus y is greater than 16). The code should print "Cool" if x subtract y is less than or equal to 5. Finally in all other case the code should print "Nothing"

```
x = 10
y = 5

if < Your code here >:
        print("Nice job")
elif < More code here >:
        print("Cool")
< More code below …… that you need to think about >
```

Question 3

Complete the code below to make it work. The code should add 10 to x if the direction is "Right". The code should add 20 to y if the direction is "Down". The code should subtract 10 from x if the direction is "Left". Finally, the code should subtract 20 from y if the direction is "UP". There are no other cases where we need to make changes to the variables x and y.

```
x = 100
y = 100
direction = "Right"

if direction == "Right":
        x = x + 10
< More code below …… that you need to think about >
```