if else estatements

```
In [1]: score = 40

        if score < 30:
            print ("Work hard and get the score above 30")
        else:
            print ("Hey! good job done")
```

Hey! good job done

```
In [2]: score = input(" Enter your score") #Here the input returned is a string so we first need to change that to integers.
        if score < 30:
            print ("Work hard and get the score above 30")
        else:
            print ("Hey! good job done")
```

 Enter your score31

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-2-f8f17b685df9> in <module>
      1 score = input(" Enter your score")
----> 2 if score < 30:
      3     print ("Work hard and get the score above 30")
      4 else:
      5     print ("Hey! good job done")

TypeError: '<' not supported between instances of 'str' and 'int'
```

In [4]:
```python
score = int (input(" Enter your score")) #Here the input is converted to int.
if score < 30:
    print ("Work hard and get the score above 30")
else:
    print ("Hey! good job done")
```

```
 Enter your score67
Hey! good job done
```

In [8]:
```python
print ("Welcome to our rating system")
rating = int(input("Please give us rating either 5 or 0"))

if rating ==5:
    print("Thank you. See you again")
    else:                        #here else entered with indentation
    print("Please tell us how we can improve the experience")
```

```
  File "<ipython-input-8-c2eeb5353bfb>", line 6
    else:
        ^
SyntaxError: invalid syntax
```

In [15]:
```python
rating = int(input("Enter your rating b/w 1--5: "))

if rating == 1:
    print("Sorry to hear about your experience")
elif rating == 2:
    print("We are trying to get better")
elif rating == 3:
    print("Thank you")
elif rating == 4:
    print("We almost missed the perfect rating from you")
elif rating == 5:
    print("Happy to know that you loved our service")
else:
    print("Please enter rating b/w 1--5 only")
```

```
Enter your rating b/w 1--5: 3
Thank you
```

while loop

In [16]:
```python
score = 0

while score <= 20:
    print("My score is : ", score)
    score = score + 1              #always check indentation otherwise loop will run forever.

print ("Loop ends here")
```

```
My score is :  0
My score is :  1
My score is :  2
My score is :  3
My score is :  4
My score is :  5
My score is :  6
My score is :  7
My score is :  8
My score is :  9
My score is :  10
My score is :  11
My score is :  12
My score is :  13
My score is :  14
My score is :  15
My score is :  16
My score is :  17
My score is :  18
My score is :  19
My score is :  20
Loop ends here
```

In [ ]: