

Conditional Statement

By Sudhanshi

Example of If blocks

In [2]:

```
Temperature= 40
```

In [3]:

```
if Temperature>35:
    print("It's a hot day")
    print("Drink plenty of water")
```

File "<ipython-input-3-4d7e5b91fb2e>", line 2
 print("It's a hot day")
 ^
IndentationError: expected an indented block

In [4]:

```
if Temperature>35:
    print("It's a hot day")
    print("Drink plenty of water")
```

It's a hot day
Drink plenty of water

Example of if-Else blocks

In [5]:

```
age = 18
if age < 25:
    print("Young")
else:
    print("Adult")
```

Young

In [6]:

```
num=100
if num % 2==1:
    print(num,"is odd number")
else:
    print(num,"is even number ")
```

100 is even number

In [5]:

```
age = 16
if age>=18 & age>=40 :
    print("Welcome to the Grand pub")
else:
    print("Sorry!! Not allowed ")
```

Welcome to the Grand pub

Example of Elif Statement

In [8]:

```
Marks= 80
if Marks > 90:
    print ("Brilliant Student")
    print("Topper")
elif Marks > 70: # (70,90)
    print("Good Student")
else:
    print("Average")
```

Good Student

In [9]:

```
weight = 40

if weight >80:
    print("Overweight")
elif weight>=50:
    print("Normal")
else:
    print("Underweight")
```

Underweight

In [10]:

```
shopping_total = 3520

if shopping_total >= 5000:
    print("You won a discount voucher of flat 1000 on next purchase")
elif shopping_total >= 2500:
    print("You won a discount voucher of flat 500 on next purchase")
elif shopping_total >= 1000:
    print("You won a discount voucher of flat 100 on next purchase")
else:
    print("OOPS!! no discount for you!!!")
```

You won a discount voucher of flat 500 on next purchase

Example of Nested if-else block

In [11]:

```
age = 24
Is_Graduated = True
hasLicense = False

# Look if person is 18 years or older
if age >= 18:
    print("You're 18 or older. Welcome to adulthood!")

    if Is_Graduated:
        print('Congratulations with your graduation!')
    if hasLicense:
        print('Happy driving!')
```

You're 18 or older. Welcome to adulthood!
Congratulations with your graduation!

In [12]:

```
num = 26

if num > 0:
    print("Positive number")
elif num == 0:
    print("Zero")
else:
    print("Negative number")
```

Positive number

In []:

In []: