

Name = Saif ul Mateen

Email = ulmateen@gmail.com

Whatsapp = +923032171002

- We Are Practicing Python

- 01. Operators

```
In [2]: print(2+2)
        print(3*2)
        print(10/5)
        print(5-1)
        print(10//5)
        print(2**3)
```

4
6
2.0
4
2
8

- 02. Strings & Comments

```
In [3]: print("This is a String")
        print('this is a string with single quotes')
        print("this is a string with 'nested quotes'")
        print("We are learning Python with baba Ammar")
        # print("This line of code will not be executed coz its commented")
```

This is a String
this is a string with single quotes
this is a string with 'nested quotes'
We are learning Python with baba Ammar

- 03. Variables & Its Different Types

```
In [4]: x = "We are trying to learn variables in this part"
        _y = "There are different rules for declaring a variable"
        _z2 = "A variable can consist of a letters and numbers"
        a = 10
        print(x, ".", _y, ".", _z2, a)
        print("The Type of Variable '_y' is :", type(_y))
        print("The Type of Variable 'a' is :", type(a))
```

We are trying to learn variables in this part . There are different rules for declaring a variable . A variable can consist of a letters and numbers 10
The Type of Variable '_y' is : <class 'str'>
The Type of Variable 'a' is : <class 'int'>

- 04. Input Functions

```
In [5]: age = input("Whats Your Age?")
        print("Your age is :", age)
```

Whats Your Age?20
Your age is : 20

- 05. Conditional/Logical Operators

```
In [13]: a = 8
         b = 9
         print("Is A equal to B?", a==b)
         print("Is A not Equal to B?", a!=b)
         print("Is A Greater than B?", a>b)
         print("Is A less than B?", a<b)
```

Is A equal to B? False
Is A not Equal to B? True
Is A Greater than B? False
Is A less than B? True

- 06. Type Conversion

```
In [15]: x = "6"
         print(type(x))
         x = int(x)
         print(type(x))
```

<class 'str'>
<class 'int'>

- 07. If, Else, Elif

```
In [31]: num1 = input("Enter 1st Number:")
         num2 = input("Enter 2nd Number:")
         if num1==num2:
             print("Number 1 is equal to Number 2")
         elif num1>num2:
             print("Number 1 is Greater than Number 2")
         elif num1<num2:
             print("Number 1 is less than Number 2")
         else:
             print("Good Luck! You are going Good with Python")
```

Enter 1st Number:23
Enter 2nd Number:2
Number 1 is Greater than Number 2

- 07. Loops

```
In [42]: x = int(input("Please Enter Value Of X:"))
         w = 1
         while (w<11):
             print(x, "X", w, "=", x*w)
             w=w+1
```

Please Enter Value Of X:12
12 X 1 = 12
12 X 2 = 24
12 X 3 = 36
12 X 4 = 48
12 X 5 = 60
12 X 6 = 72
12 X 7 = 84
12 X 8 = 96
12 X 9 = 108
12 X 10 = 120

```
In [44]: x = int(input("Please Enter Value Of X:"))
         for y in range (1, 11):
             print(x, "X", y, "=", x*y)
```

Please Enter Value Of X:10
10 X 1 = 10
10 X 2 = 20
10 X 3 = 30
10 X 4 = 40
10 X 5 = 50
10 X 6 = 60
10 X 7 = 70
10 X 8 = 80
10 X 9 = 90
10 X 10 = 100