In [1]: `8`

Out[1]: 8

In [2]: `10`

Out[2]: 10

In [3]: `10 + 10`

Out[3]: 20

In [4]: `10 + 10 - (20 * 3) - 3`

Out[4]: -43

Numbers Are called as Operand

+-*/ Are called Operator

Arithmatic Operator

In [5]: `20 + 5`

Out[5]: 25

In [6]: `20 - 5`

Out[6]: 15

In [7]: `20 * 5`

Out[7]: 100

In [8]: `20 ** 2`

Out[8]: 400

this is the case of Square (Number to the Power 2)

In [10]: `20 / 5 # Float Case`

Out[10]: 4.0

In [12]: `20 // 5 # float ie converted to integer`

Out[12]:   4

Assignment Oprator

In [1]:
```
Biswajit = 10 # Biswajit=Variable & 10=Value
Biswajit
```

Out[1]:   10

In [2]:
```
x=20
```

In [3]:
```
x+2
```

Out[3]:   22

In [4]:
```
x += 2 # this is the case of increamental
```

In [5]:
```
x
```

Out[5]:   22

In [6]:
```
x += 2
x
```

Out[6]:   24

In [7]:
```
x += 2
x
```

Out[7]:   26

In [8]:
```
x -= 2 # Decrease by value 2
x
```

Out[8]:   24

In [9]:
```
x -= 2
x
```

Out[9]:   22

In [10]:
```
x *= 2
x
```

Out[10]:   44

In [11]:
```
x *= 2
x
```

Out[11]:   88

In [12]:
```
x /= 2 # Devided by the 2
x
```

Out[12]: 44.0

Unary Operator

In [13]:
```python
n=7 # Where Value is taken -ve Value
n
```

Out[13]: 7

In [14]:
```python
m = -n
m
```

Out[14]: -7

11th April-Assignment 02-String

In [1]:
```python
biswajit mahanta
```

```
  Cell In[1], line 1
    biswajit mahanta
             ^
SyntaxError: invalid syntax
```

In [2]:
```python
'biswajit mahanta'
```

Out[2]: 'biswajit mahanta'

In [3]:
```python
s = "biswajit Mahanta"
s
```

Out[3]: 'biswajit Mahanta'

In [4]:
```python
len (s)
```

Out[4]: 16

In [5]:
```python
s[0]
```

Out[5]: 'b'

In [6]:
```python
s[1]
```

Out[6]: 'i'

In [7]:
```python
s[5]
```

Out[7]: 'j'

In [10]:
```python
s[0:5] # In this Case N=5,So Value Should be =5-1=4,so Indexing should be,0,1,2,
```

Out[10]: 'biswa'

In [11]: `s[::-1] # In this Case :: = it Means All the String Should be Reverse Direction`

Out[11]: `'atnahaM tijawsib'`

In [ ]: