

Mathematical Operators

Topics covered:

- Basic Mathematical Operators - Addition, Subtraction, Multiplication, Division, Power

```
In [1]: x = 4
        y = 2

        print (x + y)      # Addition
        print (x - y)      # Subtraction
        print (x * y)      # Multiplication
        print (5 / 2)      # Division
        print (5.0 / 2)
        print (-5 / 2)
        print (-5.0 / 2)
        print (5 // 2)     #(floored) quotient of x and y
        print (x % y)      # Modulus - return reminder
        print (x ** y)     # Power
        print (divmod(x,y)) # return quotient, reminder
        print (type(divmod(x,y)))

6
2
8
2.5
2.5
-2.5
-2.5
2
0
16
(2, 0)
<class 'tuple'>
```

```
In [2]: print (abs(-10))

10
```

```
In [3]: print (round(1.484,1))
        print (round(1.484,2))
        print (round(1.484,3))
        print (round(1.484,4))

1.5
1.48
1.484
1.484
```

Using math module

use import math

```
In [4]: import math as m

        print (m.ceil(2.33))
        print (m.floor(2.33))
        print (m.exp(1))    # exp(x) - return e**x
        print (m.pi)
        print (m.log(2,2))
        print (m.sqrt(4))

3
2
2.718281828459045
3.141592653589793
1.0
2.0
```