

Numbers and more in Python!

In this lecture, we will learn about numbers in Python and how to use them.

We'll learn about the following topics:

1.) Types of Numbers in Python

2.) Basic Arithmetic

Types of numbers

Python has various "types" of numbers (numeric literals). We'll mainly focus on integers and floating point numbers.

Integers are just whole numbers, positive or negative. For example: 2 and -2 are examples of integers.

Floating point numbers in Python are notable because they have a decimal point in them. For example: 2.2 , -2.1

Basic Arithmetic

In [10]:

```
# Addition
2+1
```

Out[10]:

3

In [2]:

```
# Subtraction
2-1
```

Out[2]:

1

In [3]:

```
# Multiplication
2*2
```

Out[3]:

4

In [4]:

```
# Division
3/2
```

Out[4]:

1.5

In [5]:

```
# Modulo
7%4
```

Out[5]:

3

In [6]:

```
# Powers  
2**3
```

Out[6]:

8

In [7]:

```
# Can also do roots this way  
4**0.5
```

Out[7]:

2.0

In [8]:

```
# Order of Operations followed in Python  
2 + 10 * 10 + 3
```

Out[8]:

105

In [9]:

```
# Can use parentheses to specify orders  
(2+10) * (10+3)
```

Out[9]:

156

In []: