**Python Input and Output**[**¶**](#gjdgxs)

**Python Output**[**¶**](#30j0zll)

We use the print() function to output data to the standard output device.

In [1]:

print("Hello Python!")

Hello Python!

In [2]:

e = 45.5  
print("The value of e is", e) *#python 3*

The value of e is 45.5

**Output Formatting**[**¶**](#1fob9te)

In [3]:

a = 98.4; b = 'Rock' *#multiple statements in single line.*  
  
print("The value of a is **{}** and b is **{}**".format(a, b)) *#default*

The value of a is 98.4 and b is Rock

In [4]:

h = 'jack'; j = 2 *#multiple statements in single line*  
  
print("The value of j is **{1}** and h is **{0}**".format(h, j)) *#specify position of arguments*

The value of j is 2 and h is jack

In [5]:

*#we can use keyword arguments to format the string*  
print("Hello **{name}**, **{greet}**".format(name="Raju", greet="How are you?"))

Hello Raju, How are you?

In [6]:

*#we can combine positional arguments with keyword arguments*  
print('The story of **{0}** and **{other}** is very famous' .format('Sinbad', other='the sailor'))

The story of Sinbad and the sailor is very famous

**Python Input**[**¶**](#3znysh7)

If we want to take the input from the user, in Python, we have the input() function to allow this. For specific applications we have to declare specific data type of input() . By default, input() function returns string as a data type.

In [7]:

d = int(input("Enter a number: "))  
print (d)  
print(type(d))

Enter a number: 5  
5  
<class 'int'>

In [13]:

fg = input("Enter your name: ")  
print(fg)

Enter your name: Preeti  
Preeti

In [15]:

dfg = list(input("enter rno"))  
print (dfg)

enter rno77  
['7', '7']

In [16]:

sd = dfg  
print(type(sd))  
sd

<class 'list'>

Out[16]:

['7', '7']

In [11]:

cvb = tuple(input("enter rno"))  
print (cvb)  
print(type(cvb))

enter rno78  
('7', '8')  
<class 'tuple'>

In [12]:

hgf = int(input("Enter your marks: "))  
print(hgf)

Enter your marks: 88  
88

**Assignments**[**¶**](#2et92p0)

1) Accept number from user and print it. 2) Accept Name of person, store it in a variable and then greet that person using Output Formatting.