

Python1_JosephVargovich

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Imports

```
[1]: #Imports for the libraries I will be using.  
import math  
import requests  
import pandas
```

Exercise 1:

Calculate $\log(6.2)$ first using base e and second using base 10.

```
[2]: #Default math.log call is with base e  
math.log(6.2)
```

```
[2]: 1.824549292051046
```

```
[3]: #Extra parameter allows us to use base 10  
math.log(6.2, 10)
```

```
[3]: 0.7923916894982539
```

Exercise 2: Calculate the square root of 2 and save the result as the variable named sqrt2. Have Python display the decimal value of sqrt2.

```
[4]: #First declare a variable and set it to the square root of two  
sqrt2 = math.sqrt(2)  
#Print the stored value.  
print(sqrt2)
```

```
1.4142135623730951
```

Exercise 3: This exercise walks you through installing a package with all the datasets used in the textbook The Statistical Sleuth.

Open the Slueth.csv file imported from R.

Load the Sleuth.csv data into a variable (data frame).

Print out the head of case0101 using .head().

```
[5]: #Read the address csv and store it here.  
addressOutput = pandas.read_csv("case0101.csv")  
#Print the dataset.  
addressOutput.head()
```

```
[5]:
```

	Score	Treatment
0	5.0	Extrinsic
1	5.4	Extrinsic
2	6.1	Extrinsic
3	10.9	Extrinsic
4	11.8	Extrinsic