Week 4 Seminar Questions

The following operation should be finished in the Python Jupyter Notebook and submit it to your own Github repo.

1. Print ‘Hello World!’, what is the type of this?

2. Set a loop for x from 0 to 9, and print x if x<5.

3. What is the data type of ‘100’? How to change it to the float type? Print the right data with its type.

4. Set a value equals to None, what is its type?

5. What is round(x) in Python? Find the value when x=-0.05 y=0,1,2.

6. Set a Python program to ask you your name and age. And then print the answer.

7. Assign x = in python using numpy.

8. Calculate: the sum of the 1st row in the previous matrix; the standard deviation of the 2nd column in the previous matrix. Find the element in the first row and the 2nd column in the previous matrix.

9. Create a 3x4 matrix filled with all zeros using numpy.

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