Data Science with Python Module 4

Hands On - 1

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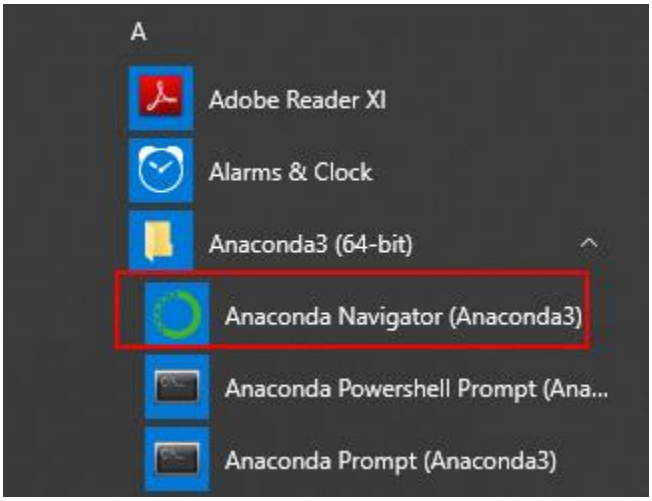
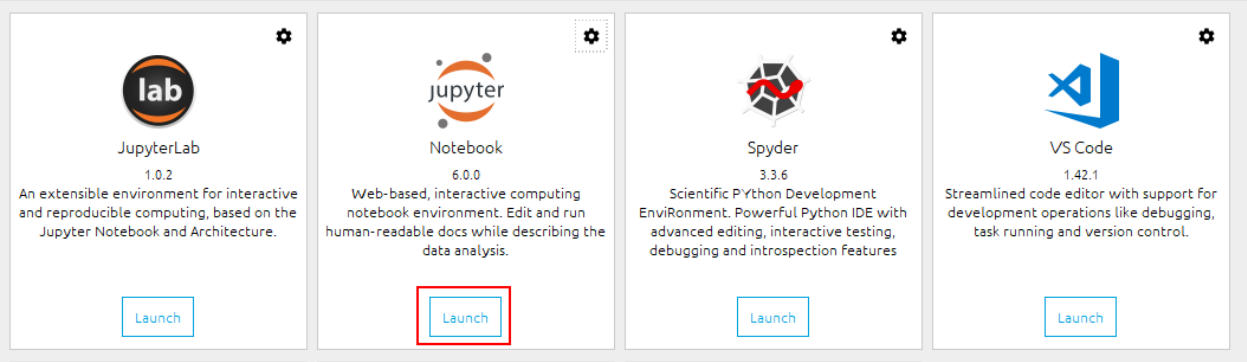
Data Science with Python Module 4: Hands-on: 1

Create numpy array

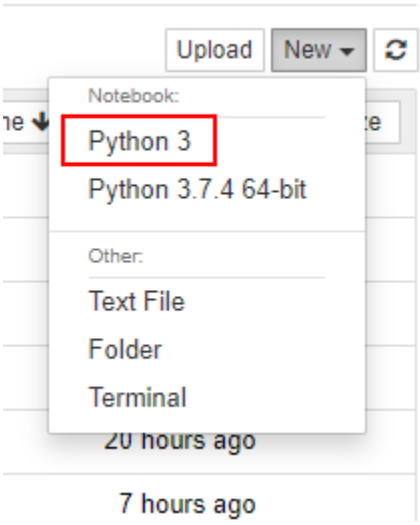
Step 1: Open Anaconda Naviagtor



Step 2: Click on Launch button under jupyter notebooks.



Step 3: After the notebook opens click on new and Python 3.



Step 4: Import numpy by typing the following code in the notebook and run it by pressing shift + enter

```
In [1]: import numpy as np
```

Step 5: To create a 1d numpy array, pass a 1d list into np.array method.

```
In [2]: # Create 1d np array from a python list
        np.array([1, 2, 3])

Out[2]: array([1, 2, 3])
```

Step 6: To create a 2d numpy array, pass a 2d list into np.array method.

```
In [3]: # Create 2d np array from a python list of list
        np.array([[1, 2, 3], [4, 5, 6]])

Out[3]: array([[1, 2, 3],
               [4, 5, 6]])
```

Step 7: Click on the 'Next' button

Step 8: Click on the 'Execute' button.

Step 9: Click on the 'Next' button.

Step 10: Click on the 'Next' button.

Step 11: Click on the 'Next' button.

Step 12: Click on the 'Next' button.

Step 13: Click on the 'Next' button.

Step 14: Type in the password and then click on the 'Next' button.

Step 15: Click on the 'Next' button.

Step 16: Click on the 'Execute' button.

Step 17: Click on the 'Finish' button.