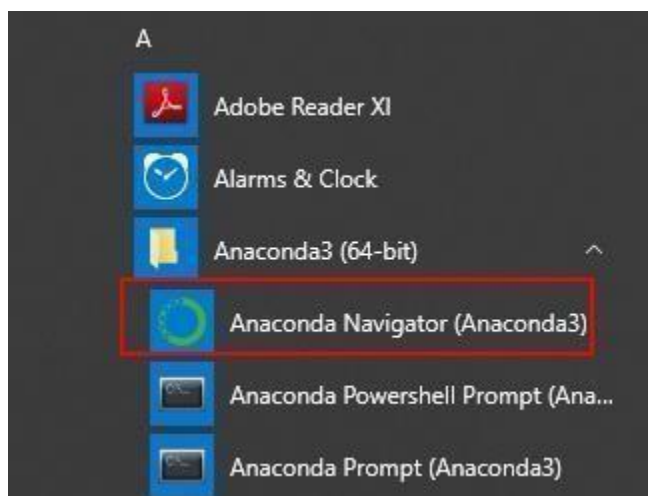




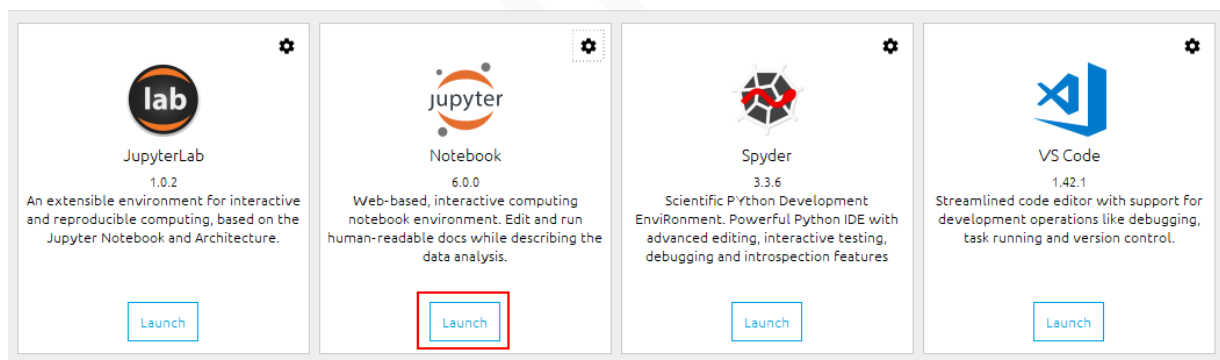
Module 4: Hands-On: 1

Create NumPy Array:

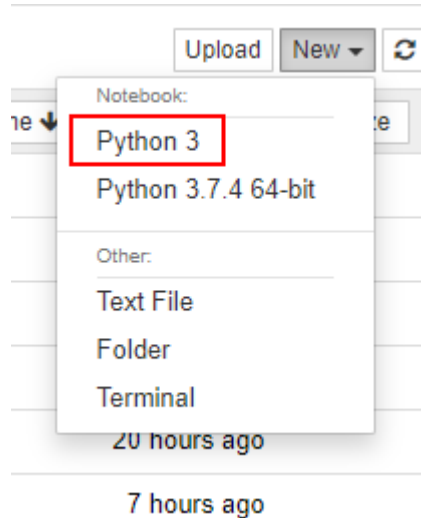
Step 1: Open Anaconda Navigator



Step 2: Click on Launch button under Jupyter Notebook



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]])
```