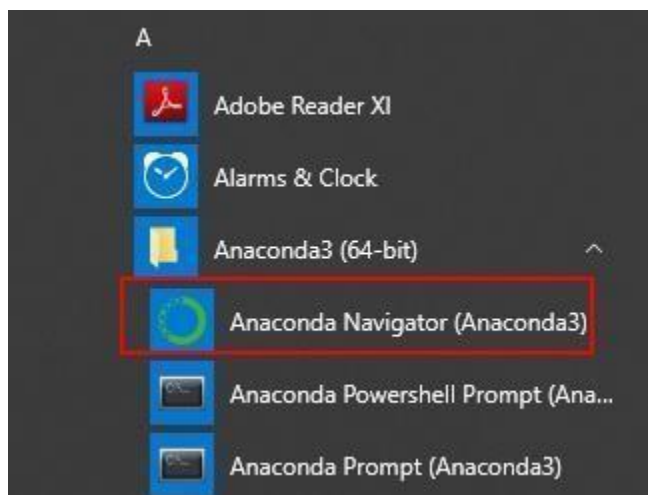




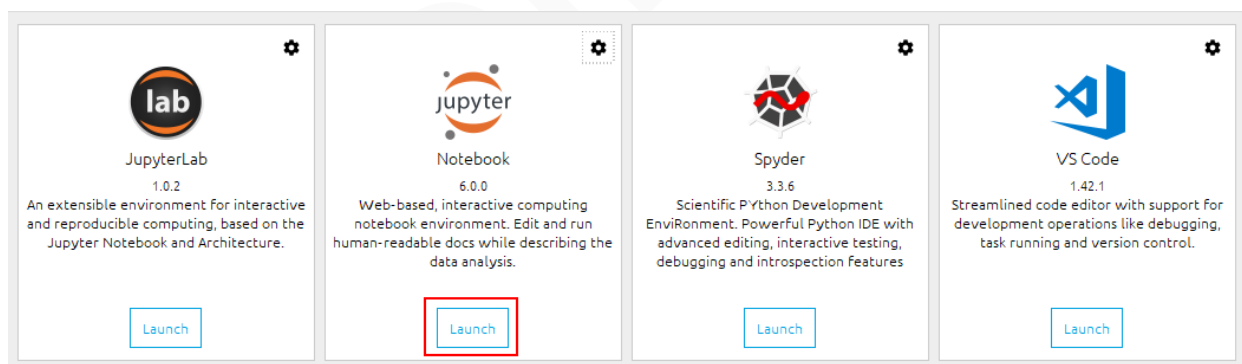
Module 5: Hands-On: 1

Pandas Series:

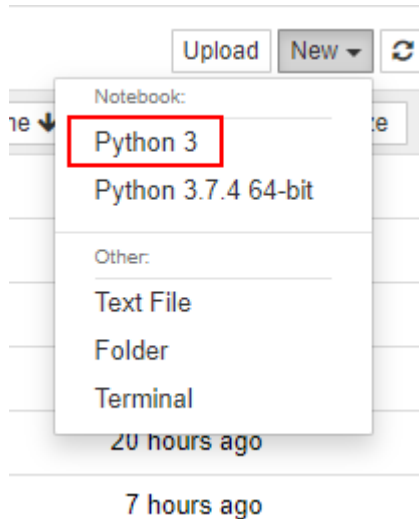
Step 1: Open Anaconda Navigator



Step 2: Click on Launch button under Jupyter Notebook



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



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

```
import pandas as pd
```

Step 5 Type the following code to create a pandas series using np.array with default index

```
In [10]: # Create a pandas series using np.array with default index
series = pd.Series(np.array([1, 2, 3, 4, 5, 6]))
series
```

```
Out[10]: 0    1
         1    2
         2    3
         3    4
         4    5
         5    6
         dtype: int32
```

Step 6: Type the following code to create a pandas series using np.array with custom index

```
In [11]: # Create a pandas series using np.array with custom index
series = pd.Series(np.array([1, 2, 3, 4, 5, 6]), index=['a', 'b', 'c', 'd', 'e', 'f'])
series

Out[11]: a    1
         b    2
         c    3
         d    4
         e    5
         f    6
         dtype: int32
```

Step 7: Type the following code to create a pandas series using a dictionary with default index

```
In [12]: # Create a pandas series using a dictionary with default index
series = pd.Series({'x' : 0, 'y' : 1., 'z' : 2.})
series

Out[12]: x    0.0
         y    1.0
         z    2.0
         dtype: float64
```