CSCI 4140 – Advanced Database Tutorial: Query Implementation using Jupyter Notebook

Pre-requisites:

Before starting the assignment ensure that you have the following software's installed on your machine:

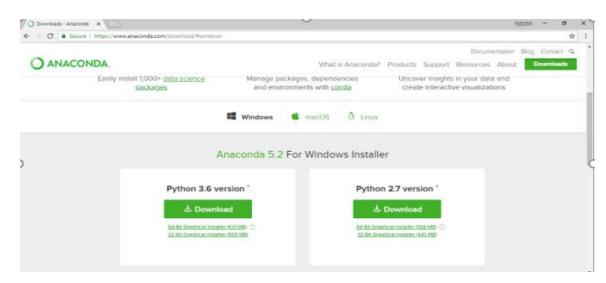
- Install a local sql server for back-end e.g. SQLite etc
- Install Jupyter Notebook

Installation of Jupyter Notebook

 For Jupyter Notebook, you can install the Anaconda navigator and run the notebook from there using the below URL:

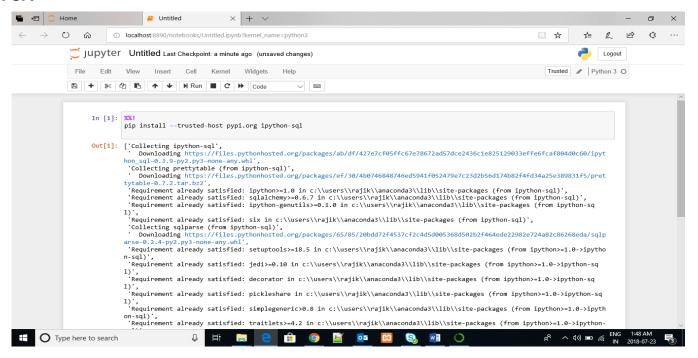
https://www.anaconda.com/download/#windows

 Once you have click on download it will prompt you to download python. Download python if you already don't have it installed.

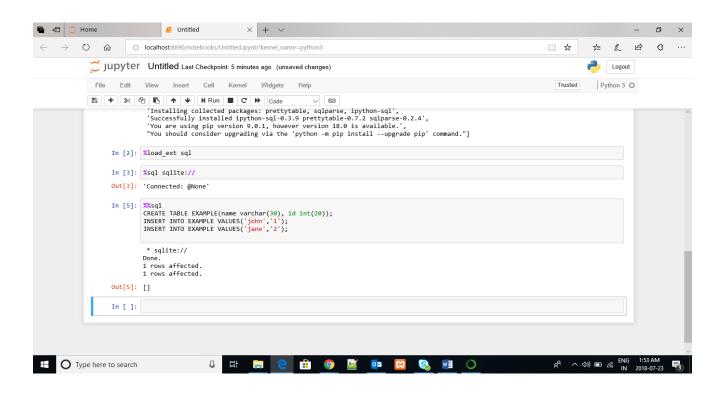


Connection to back-end using Jupyter Notebook

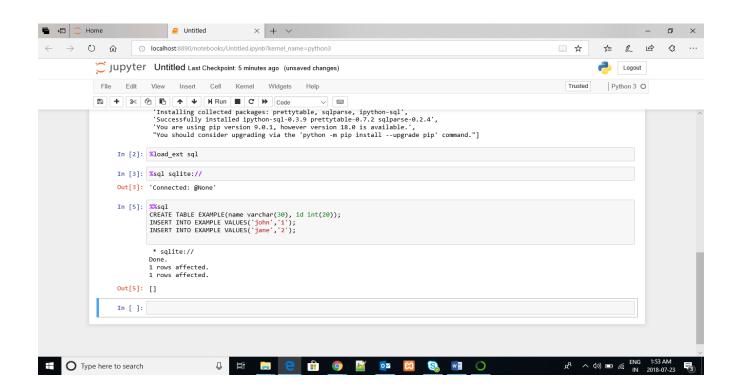
- Here in the below screenshots python was used to connect to the back-end server and on my back-end I have SQLite installed.
- First, we are installing the ipython sql module using the below command.



• Now once the module has been installed we will load the sql using load_ext magic function.



- Using the above function we can connect to any sql server supported by sqlalchemy. For this example, I have connected to SQLite.
- After a connection is made we can run sql queries on the Jupyter Notebook and run sql queries.



THANK YOU