Please use Python 3.X to finish the assignment, and install the following packages before you do the implementation part:

1. Jupyter: <http://jupyter.org/install>
2. NetworkX: <https://github.com/networkx/networkx>

I also recommend to install the following ones:

1. osmnx: <https://github.com/gboeing/osmnx>. It can be used to obtain open street maps. There is one line of code in the notebook using osmnx to plot the network, but you are not required to install this package to finish the homework.
2. Anaconda: <https://www.anaconda.com/download/>. You can easily install and manage package using Anaconda especially for data science tasks.
3. Pycharm: <https://www.jetbrains.com/pycharm/>. Pycharm is the python IDE I recommend. You can get a free student licence on the website.

The assignment is in Assignment 1.ipynb. Please use Jupyter notebook to open it.