

## WHAT THE CAPSTONE PROJECT IS ALL ABOUT

The project entails accessing data related to bike share systems for three cities in the United States (Chicago, New York City and Washington) with the aid of python programming. The codes written help to answer some major questions related to the bikeshare data of the cities and aids better understanding of the data statistics.

## HOW TO USE THE CODE

First, make sure the python file is in the same directory with the csv files (containing raw data of the cities).

The code can be run on a terminal by first locating the directory of the files and then importing the python file (ie `ipython bikeshare.py`) and then running the code (enter).

The code prompts user for inputs at intervals so as to access the appropriate data that the user is interested in, so the user is expected to put in the appropriate desired input of their choice (inputs could be the City of their choice to explore, month and day to filter data with, etc.). After taking in necessary input, the required information relating to the user input is returned after the code had accessed it from the raw data. User is also able to see a few lines of the raw data by choice.

## RESOURCES USED

The following are some of the resources that helped with writing my code.

<https://stackoverflow.com/questions/23294658/asking-the-user-for-input-until-they-give-a-valid-response>

<https://stackoverflow.com/questions/19377969/combine-two-columns-of-text-in-dataframe-in-pandas-python>

<https://medium.com/better-programming/how-to-indefinitely-request-user-input-until-valid-in-python-388a7c85aa6e>

<https://intellipaat.com/community/5151/how-do-i-extract-the-date-year-month-from-pandas-dataframe>