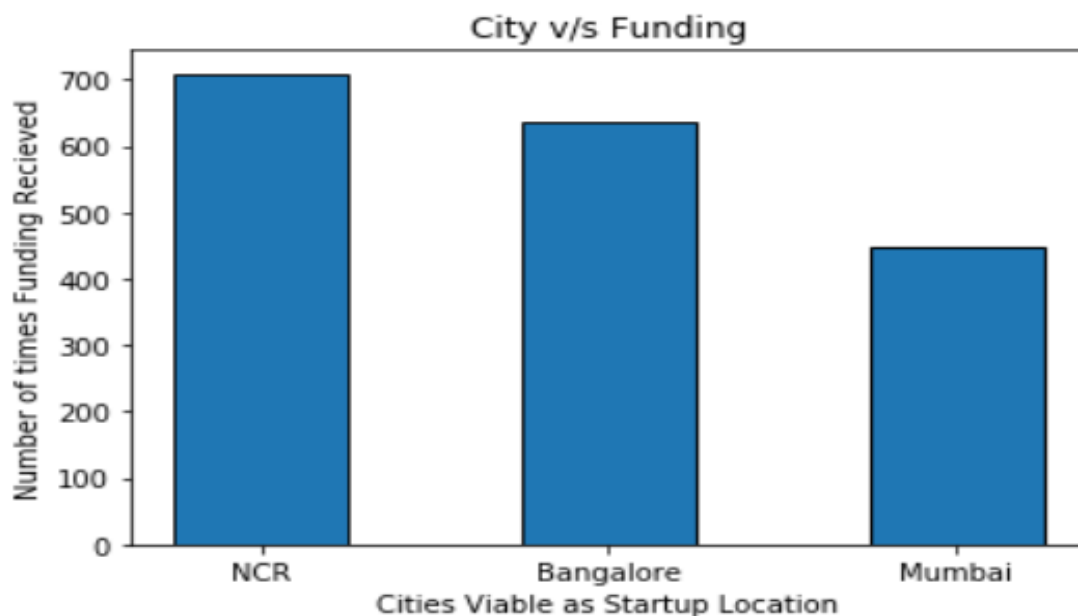# Question 1

Logic for Code:

- For extracting values of Different cities first I imported pandas library and created a pandas data frame of the startup excel file. Matplotlib function is imported for plotting graphs.
- Then I replaced incorrect spelling of cities such as bangalore and Delhi as mentioned in the question itself using the pd.replace function in the data frame itself. Addition to this I have replaced Gurgaon, New Delhi and Noida to club them together as NCR.
- Using the pd.str.split function I extracted all the cities for startup having offices at multiple location .
- CityLocation of Dataframe is separated into different series, then I counted value count of each city and separated the keys in x and frequency in y.

Advice:

- After seeing the Graph I can deduce the NCR (Gurgaon, New Delhi and Noida) would be an ideal location for setting up the Startup.
- The total no. of times the places together have received funding is 706 times whereas Bangalore have received it 635 times a Mumbai 449 times.
- Starting startup with NCR as location would have highest percentage of receiving funding then taring in any other city in India.