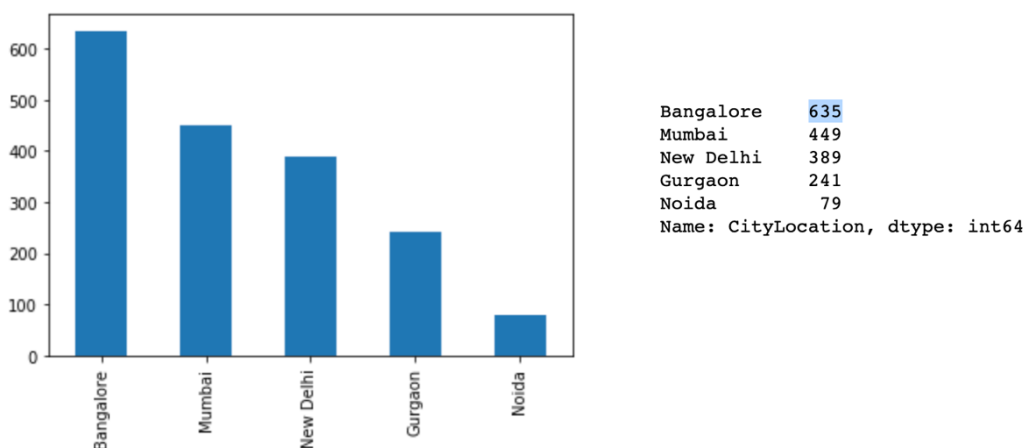**Q1:**

Your Friend has developed the Product and he wants to establish the product startup and he is searching for a perfect location where getting the investment has a high chance. But due to its financial restriction, he can choose only between three locations - Bangalore, Mumbai, and NCR. As a friend, you want to help your friend deciding the location. NCR include Gurgaon, Noida and New Delhi. Find the location where the most number of funding is done. That means, find the location where startups has received funding maximum number of times. Plot the bar graph between location and number of funding. Take city name "Delhi" as "New Delhi". Check the case-sensitiveness of cities also. That means, at some place instead of "Bangalore", "bangalore" is given. Take city name as "Bangalore". For few startups multiple locations are given, one Indian and one Foreign. Consider the startup if any one of the city lies in given locations.

Ans:

The best location is **Bangalore**, as most of the investors are investing in that city and my friend can also easily get investor if I suggest Bangalore. There are total 635 investors who have invested till now which is a max number when compare to other selected cities.


```
Bangalore      635
Mumbai         449
New Delhi      389
Gurgaon        241
Noida           79
Name: CityLocation, dtype: int64
```

Q2.

Even after trying for so many times, your friend's startup could not find the investment. So you decided to take this matter in your hand and try to find the list of investors who probably can invest in your friend's startup. Your list will increase the chance of your friend startup getting some initial investment by contacting these investors. Find the top 5 investors who have invested maximum number of times (consider repeat investments in one company also). In a startup, multiple investors might have invested. So consider each investor for that startup. Ignore undisclosed investors.

Ans:

As per the above output(case study q1) the below list shows the top 5 individual investors who have invested most of the time. These investors can help my friend.

Note: I have excluded undisclosed investor.

Sequoia Capital	52
Accel Partners	44
SAIF Partners	35
Blume Ventures	35
Kalaari Capital	32

Q3:
After re-analysing the dataset you found out that some investors have invested in the same startup at different number of funding rounds. So before finalising the previous list, you want to improvise it by finding the top 5 investors who have invested in different number of startups. This list will be more helpful than your previous list in finding the investment for your friend startup. Find the top 5 investors who have invested maximum number of times in different companies. That means, if one investor has invested multiple times in one startup, count one for that company. There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

Ans:
After doing some more investigation found the below investors who can help my friend for the investment and this time I believe the below mentioned investors can help my friend by doing an investment on my friend's startup.

Sequoia Capital	28
Accel Partners	27
Indian Angel Network	25
Kalaari Capital	22
Ratan Tata	21

Q4:
Even after putting so much effort in finding the probable investors, it didn't turn out to be helpful for your friend. So you went to your investor friend to understand the situation better and your investor friend explained to you about the different Investment Types and their features. This new information will be helpful in finding the right investor. Since your friend startup is at an early stage startup, the best-suited investment type would be - Seed Funding and Crowdfunding. Find the top 5 investors who have invested in a different number of startups and their investment type is Crowdfunding or Seed Funding. Correct spelling of investment types are - "Private Equity", "Seed Funding", "Debt Funding", and "Crowd Funding". Keep an eye for any spelling mistake. You can find this by printing unique values from this column. There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

Ans:
After applying one more level on filter for the funding type got the results as mentioned below and I believe as my friend startup is in initial stage and the below mentioned investors can help my friend as these investors are more on "Seed Funding" and for startup Seed Funding type can be more helpful.

Indian Angel Network	23
Rajan Anandan	12
LetsVenture	10
Anupam Mittal	9
Sandeep Tandon	8

In [ ]:

Q5:

Due to your immense help, your friend startup successfully got seed funding and it is on the operational mode. Now your friend wants to expand his startup and he is looking for new investors for his startup. Now you again come as a saviour to help your friend and want to create a list of probable new new investors. Before moving forward you remember your investor friend advice that finding the investors by analysing the investment type. Since your friend startup is not in early phase it is in growth stage so the best-suited investment type is Private Equity. Find the top 5 investors who have invested in a different number of startups and their investment type is Private Equity. Correct spelling of investment types are - "Private Equity", "Seed Funding", "Debt Funding", and "Crowd Funding". Keep an eye for any spelling mistake. You can find this by printing unique values from this column.There are many errors in startup names. Ignore correcting all, just handle the important ones - Ola, Flipkart, Oyo and Paytm.

Ans:

After applying the Investment Type to Private Equity, found results as stated below. And I believe the below mentioned investors who have invested more on Private Equity can help my friend in the current scenario.

Sequoia Capital	30
Accel Partners	23
Sequoia Capital	19
SAIF Partners	19
Kalaari Capital	18