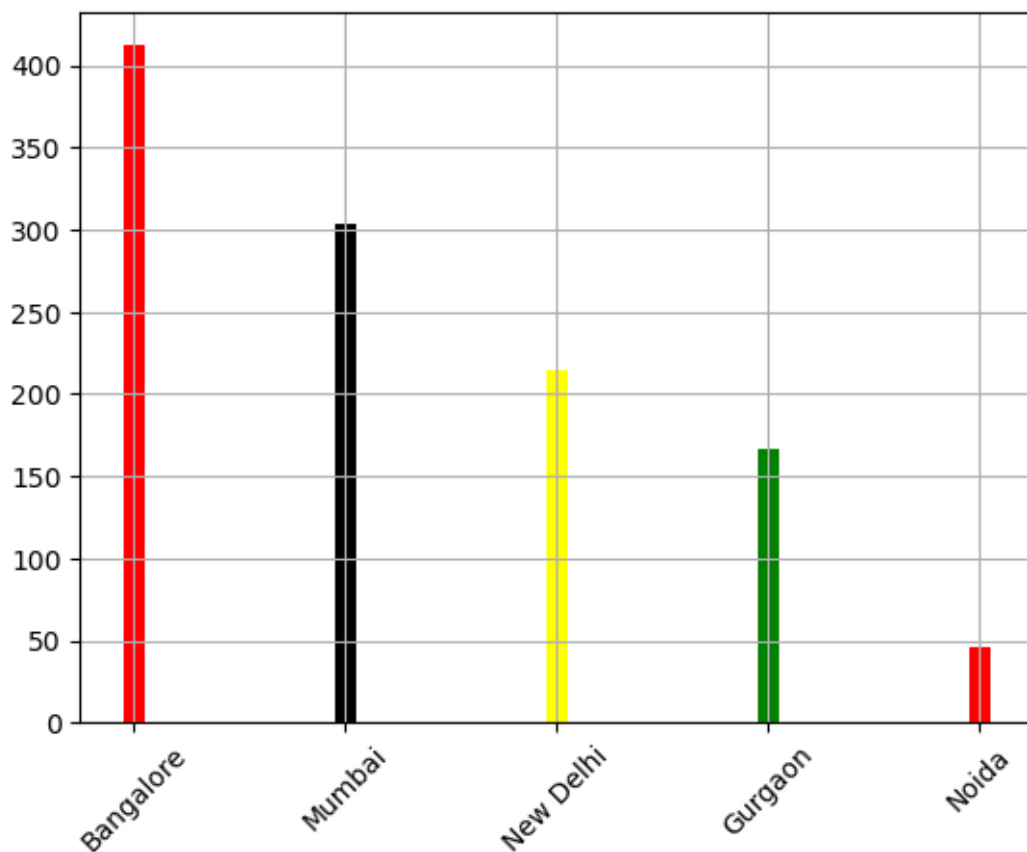


Justification

Question 1:

1. 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.

Output



```
Bangalore 412
Mumbai 303
New Delhi 215
Gurgaon 166
Noida 46
```

the city with the maximum number of startups is Bangalore with the number of investments 412

:

explanation:

after including all the library first I drop the rows with nan citylocation and amount in usd after that I applied an function to get the city location and replace the city location delhi and banglore after that applied search for city = ["Banglore","Mumbai","New Delhi","Gurgaon","Noida"]

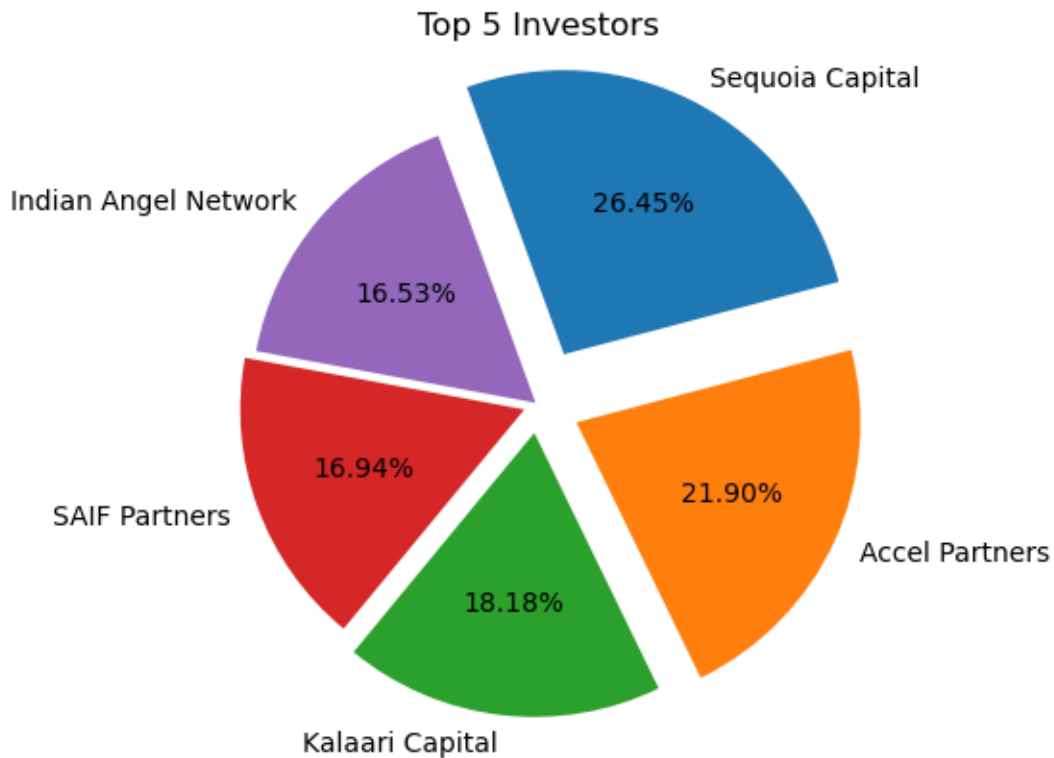
then I groupby the dataframe according to city location and used sort_values with ascending as false and using for loop I have printed the city and count

question 2: 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.

Output :

```
Sequoia Capital 64
Accel Partners 53
Kalaari Capital 44
SAIF Partners 41
Indian Angel Network 40
```

:

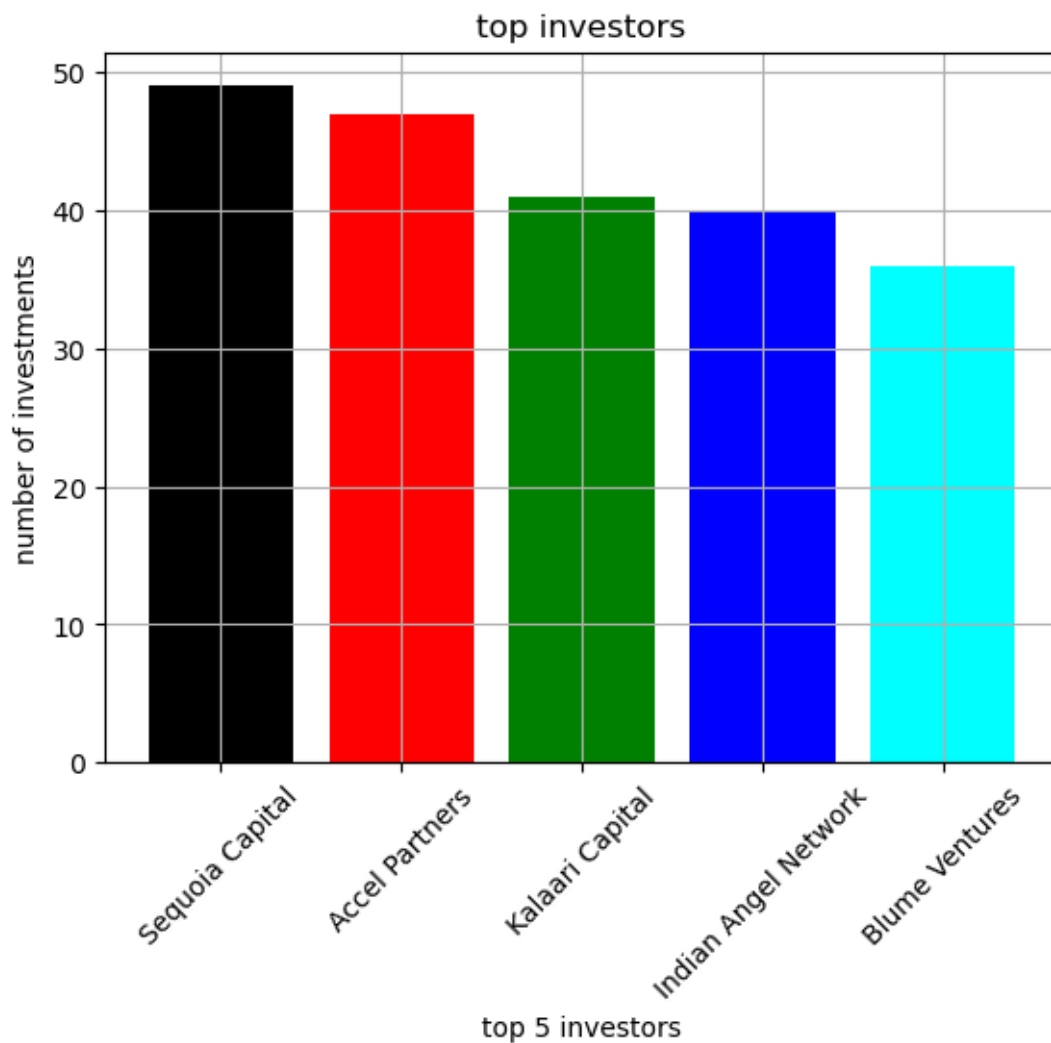


Explanation:

After opening the file and removing the undisclosed investors using Boolean indexing I have getted the investor name in an list to strip the values and maked an dictonary with the frequency count after that I just have sorted the dictionary using the values in dictonary (with reverse = True) and just have printed them using the for loop

Question 3 : 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

:



:

```
Sequoia Capital 49
Accel Partners 47
Kalaari Capital 41
Indian Angel Network 40
Blume Ventures 36
```

Explaintion :

After opening the file and removing the undisclosed investors I have replace the names of major startup like filpkart , also I have dropped the na values in the startupname and investors name

After that I have just maked the list of investoe name and startup name and printed that

Question 4 : 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

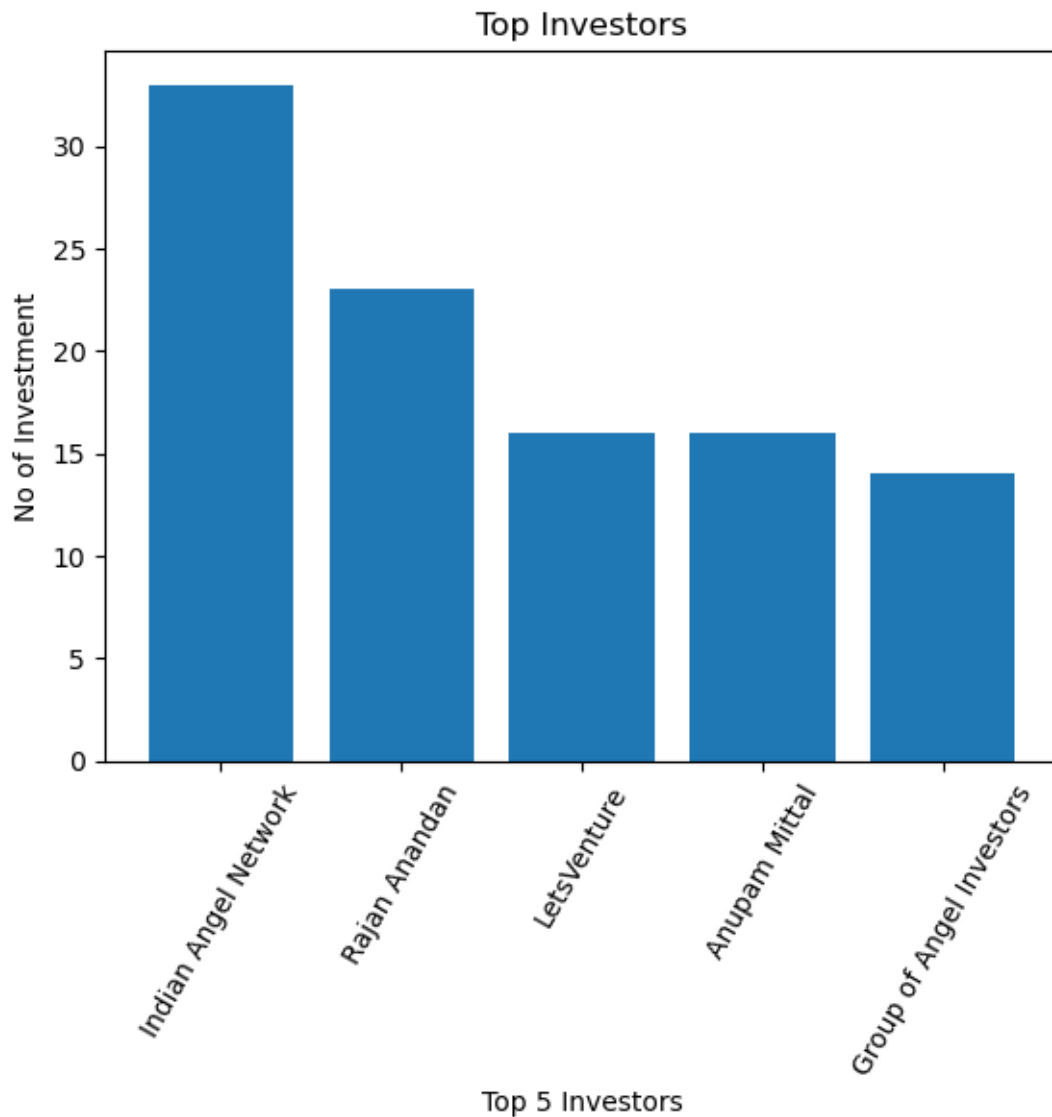
:

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.

Output:

```
Indian Angel Network 33
Rajan Anandan 23
LetsVenture 16
Anupam Mittal 16
Group of Angel Investors 14
```

:



Explanation :

After loading the dataset and removing the undisclosed investors name I have replace the major startup name like OYO and same thing that I have done earlier I have drop the NAN value rows from the columns like investorname and startupname

And after that I have used the Boolean indexing to find the investment type as seed funding and crowd funding

Then the same procedure flows that I have made the lists of investor name startup name

But now I have groupby investorname and the cloumns as sstartupname and called nunique() function

After that I have sorted the values and printedit

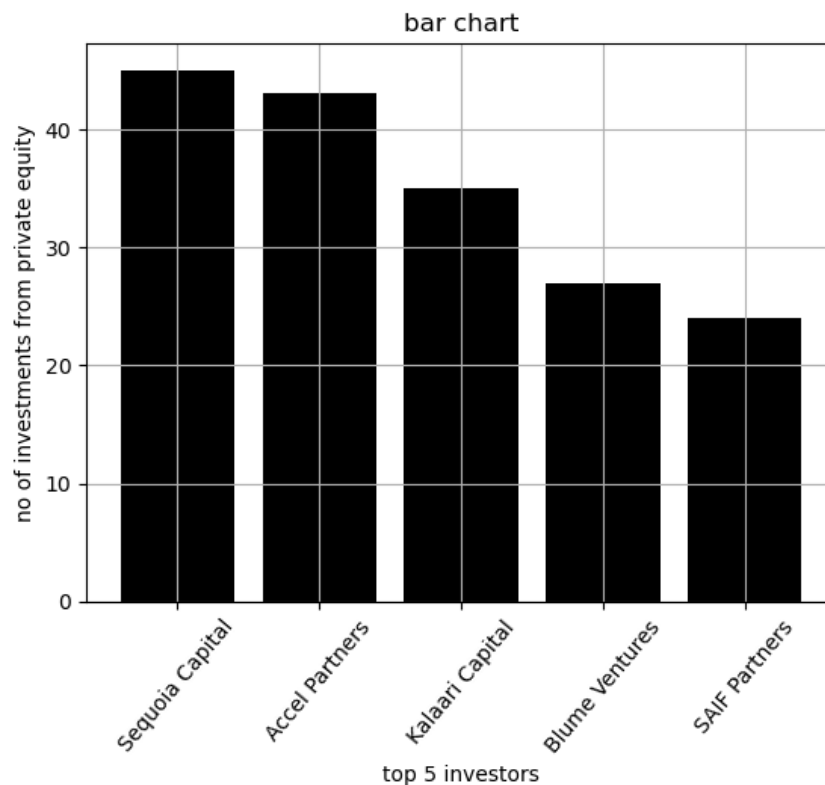
Question 5:

:

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.

Output :

```
Sequoia Capital 45
Accel Partners 43
Kalaari Capital 35
Blume Ventures 27
SAIF Partners 24
```



:

Explanaition :

After loading the dataset and removing the undisclosed investors name I have replace the major startup name like OYO and same thing that I have done earlier I have drop the NAN value rows from the columns like investorname and startupname .

I have applied the Boolean indexing in the investment type to find only for private equity after that I have done the same thing that is created the list to get the investor name and the startup name.