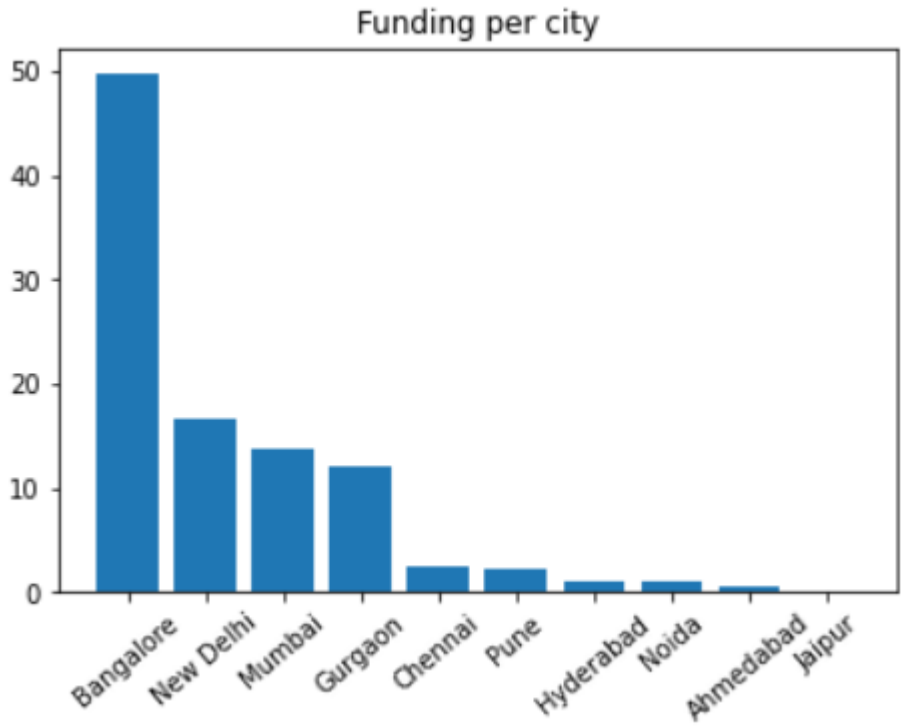
NAME: SAHIL KADU

PROJECT: STARTUP FUNDING CASE STUDY PART 2

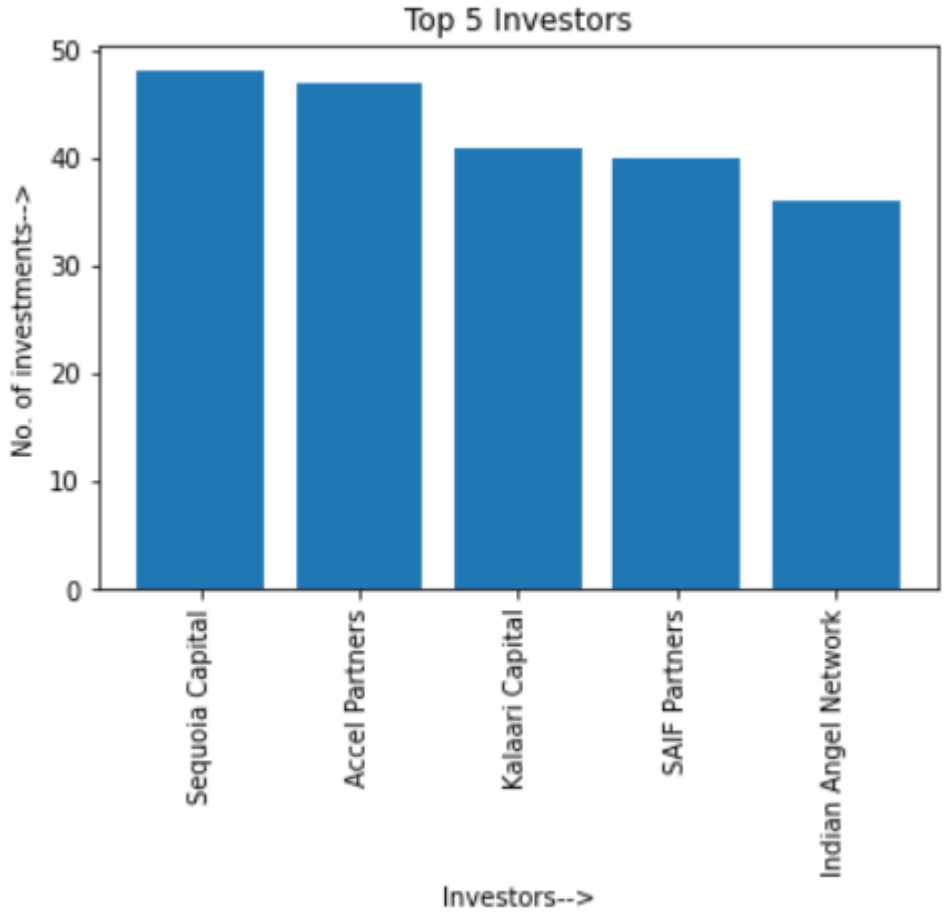
ANSWER1:

- First open the file using pandas data frame.
- Then we dropped the rows with which have “CityLocation” column as NaN.
- Some cells have two cities, we separated it using split operator.
- Checked & corrected spelling mistakes.
- Converted “AmountinUSD” column to integer.
- Then we added “AmountinUSD” values separately as per “CityLocation” and sorted them in descending order.
- We calculated percentage to determine the “CityLocation” with maximum funding.
- We plotted a bar graph of city on X axis & %funding on Y axis.
- We found that city **“Bangalore”** has max funding with over 49.7% & hence it is ideal choice for location.



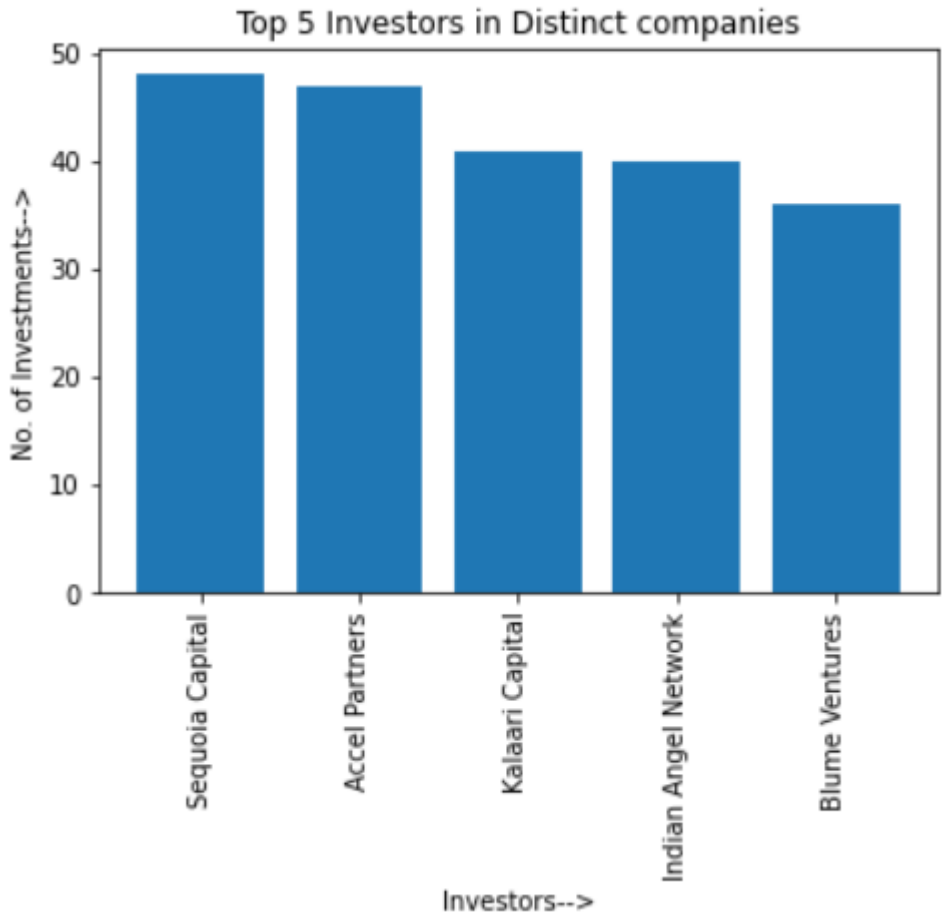
ANSWER2:

- First open the file using pandas data frame.
- Then we dropped the rows with which have “InvestorsName” column as NaN.
- We created a dictionary function which will split every investor name & calculate its occurrence.
- We passed “InvestorsName” column through the function. This will create a dictionary.
- We sort it in descending order.
- We created pandas dataframe using this dictionary.
- As a result, we are able to find out those top 5 investors who have invested max number of times – **“Sequioa Capital”, “Accel Partners”, “Kalaari Capital”, “SAIF Partners”, “Indian Angel Network”.**



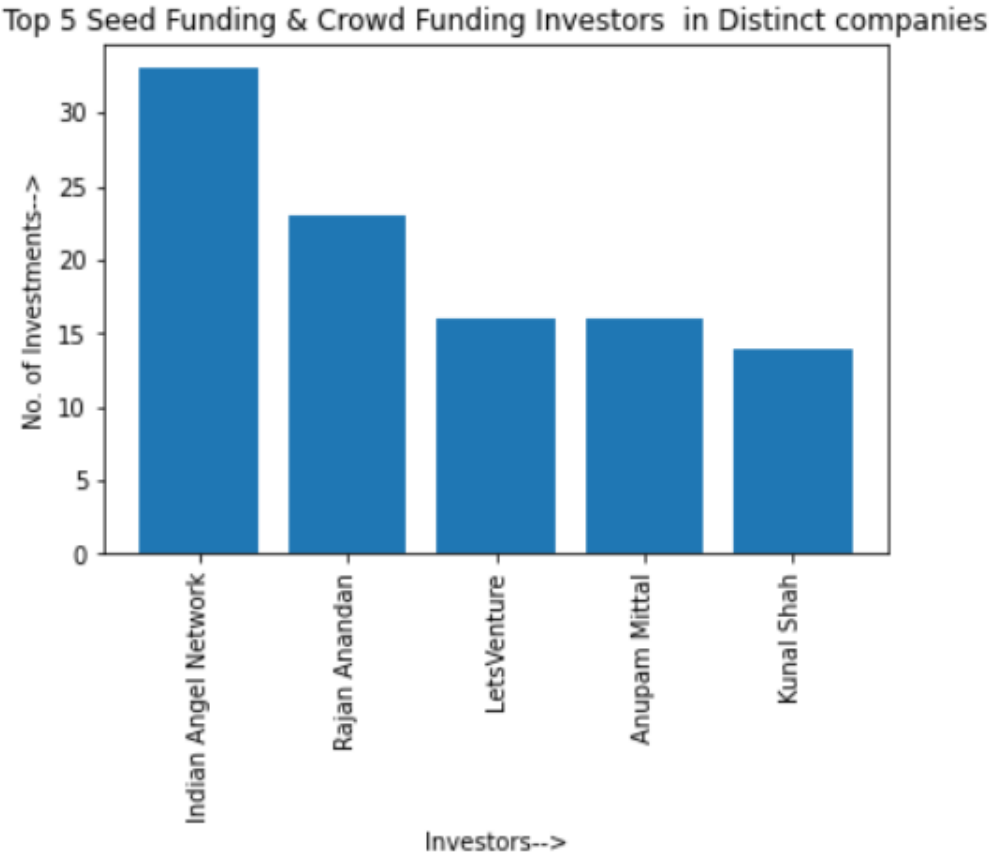
ANSWER3:

- First open the file using csvDictReader.
- Initialize an empty dictionary
- Correct all spelling mistakes in “StartupName” column.
- Split each cell of “InvestorsName” column on the basis of “,” & then strip it which will remove spaces from both ends.
- Ignore all null spaces in “StartupName” & undisclosed investors in “InvestorsName”.
- Initialize dictionary with key as “InvestorsName” & value as set containing unique “StartupName”.
- For each key in dictionary replace the values with the length of the sets.
- Sort the dictionary in descending order.
- Create a pandas dataframe & print top 5 elements.
- Plot a bar graph with investors name on X-axis & number ofinvestments on Y-axis.
- As a result, we are able to get the top 5 investors in distinct companies – **“Sequioa Capital”, “Accel Partners”, “Kalaari Capital”, “Indian Angel Network”, “Blume Ventures”.**



ANSWER4:

- First open the file using csvDictReader.
- Initialize an empty dictionary
- Correct all spelling mistakes in “StartupName” column & “InvestmentType” column.
- Split each cell of “InvestorsName” column on the basis of “,” & then strip it which will remove spaces from both ends.
- Ignore all null spaces in “StartupName” & undisclosed investors in “InvestorsName” & only include data which have “InvestmentType” as “Seed Funding” or “Crowd Funding”.
- Initialize dictionary with key as “InvestorsName” & value as set containing unique “StartupName”.
- For each key in dictionary replace the values with the length of the sets.
- Sort the dictionary in descending order.
- Create a pandas dataframe & print top 5 elements.
- Plot a bar graph with investors name on X-axis & number of companies on Y-axis.
- As a result, we are able to get the top 5 investors in distinct companies – **“Indian Angel Network”, “Rajan Anandan” , “LetsVenture”, “Anupam Mittal”, “Kunal Shah”.**



ANSWER5:

- First open the file using csvDictReader.
- Initialize an empty dictionary
- Correct all spelling mistakes in “StartupName” column & “InvestmentType” column.
- Split each cell of “InvestorsName” column on the basis of “,” & then strip it which will remove spaces from both ends.
- Ignore all null spaces in “StartupName” & undisclosed investors in “InvestorsName” & only include data which have “InvestmentType” as “Private Equity”.
- Initialize dictionary with key as “InvestorsName” & value as set containing unique “StartupName”.
- For each key in dictionary replace the values with the length of the sets.
- Sort the dictionary in descending order.
- Create a pandas dataframe & print top 5 elements.
- Plot a bar graph with investors name on X-axis & number of companies on Y-axis.
- As a result, we are able to get the top 5 investors in distinct companies – **“Sequoia Capital”, “Accel Partners”, “Kalaari Capital”, “Blume Ventures”, “SAIF Partners”.**