## Question 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.**

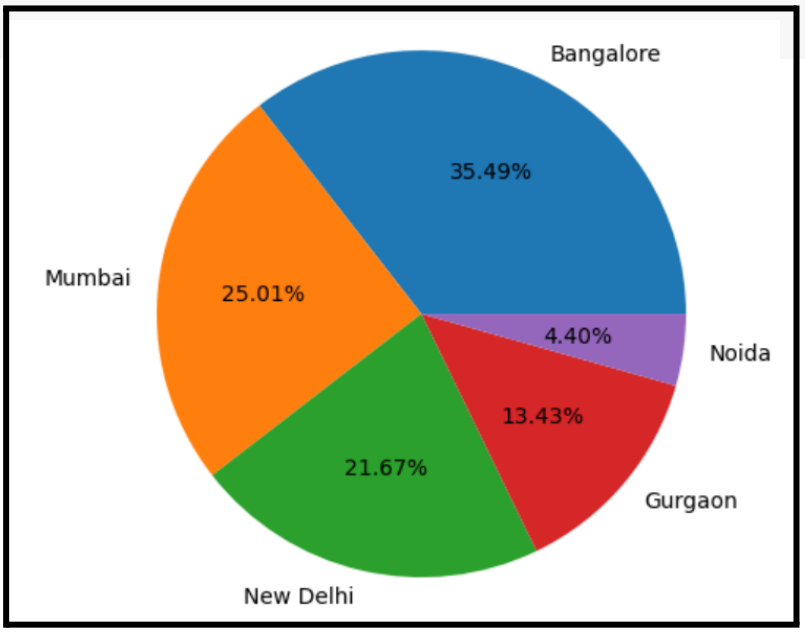
**Take city name "Delhi" as "New Delhi". Check the case-sensitiveness of cities also. That means, at some place instead of "Bangalore", "bangalore" is given. Take city name as "Bangalore". For few startups multiple locations are given, one Indian and one Foreign. Consider the startup if any one of the city lies in given locations.**

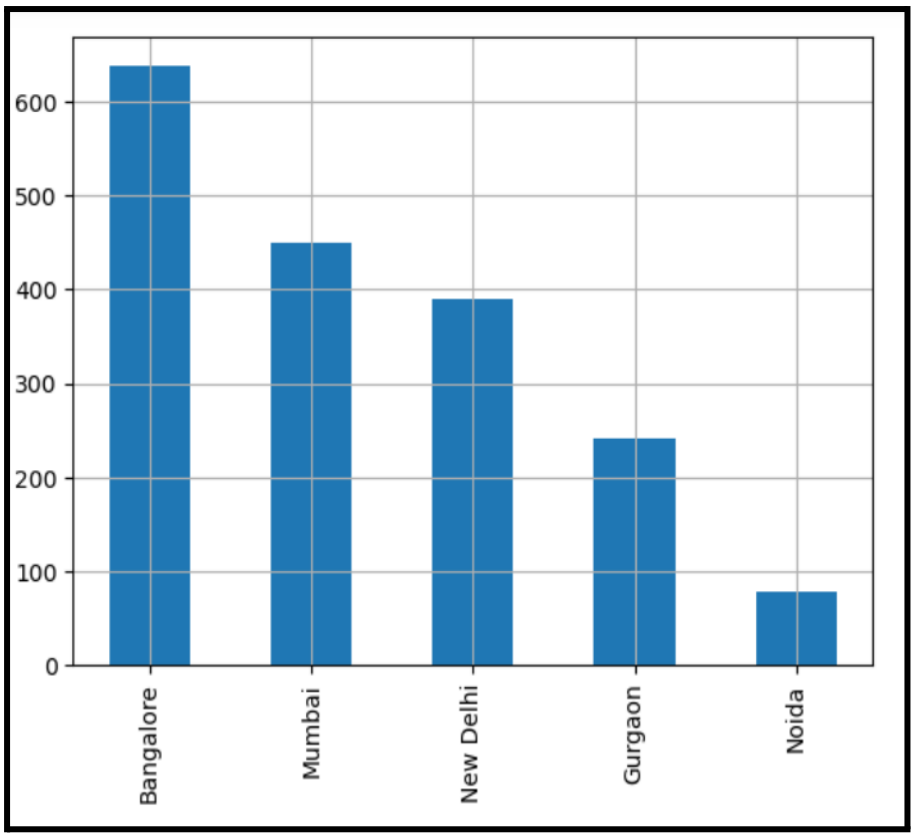
## Answer -

While working with the 'CityLocation' column in the CSV file, I encountered a few instances where certain cities needed to be renamed as specified in the problem statement. For example, 'Delhi' should be changed to 'New Delhi', and 'bangalore' should be corrected to 'Bangalore'.

To address this, I applied a filter to the 'CityLocation' column and narrowed it down to include only the locations 'Bangalore', 'Mumbai', 'Noida', 'Gurgaon', and 'New Delhi', as instructed by the problem.

Next, I utilised dictionary concepts to determine the city with the highest number of startup fundings.






**My findings is that the best Location for a startup where maximum findings are received is Bangalore and I will insist my friend to plan a startup in Bangalore.**

## 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.**

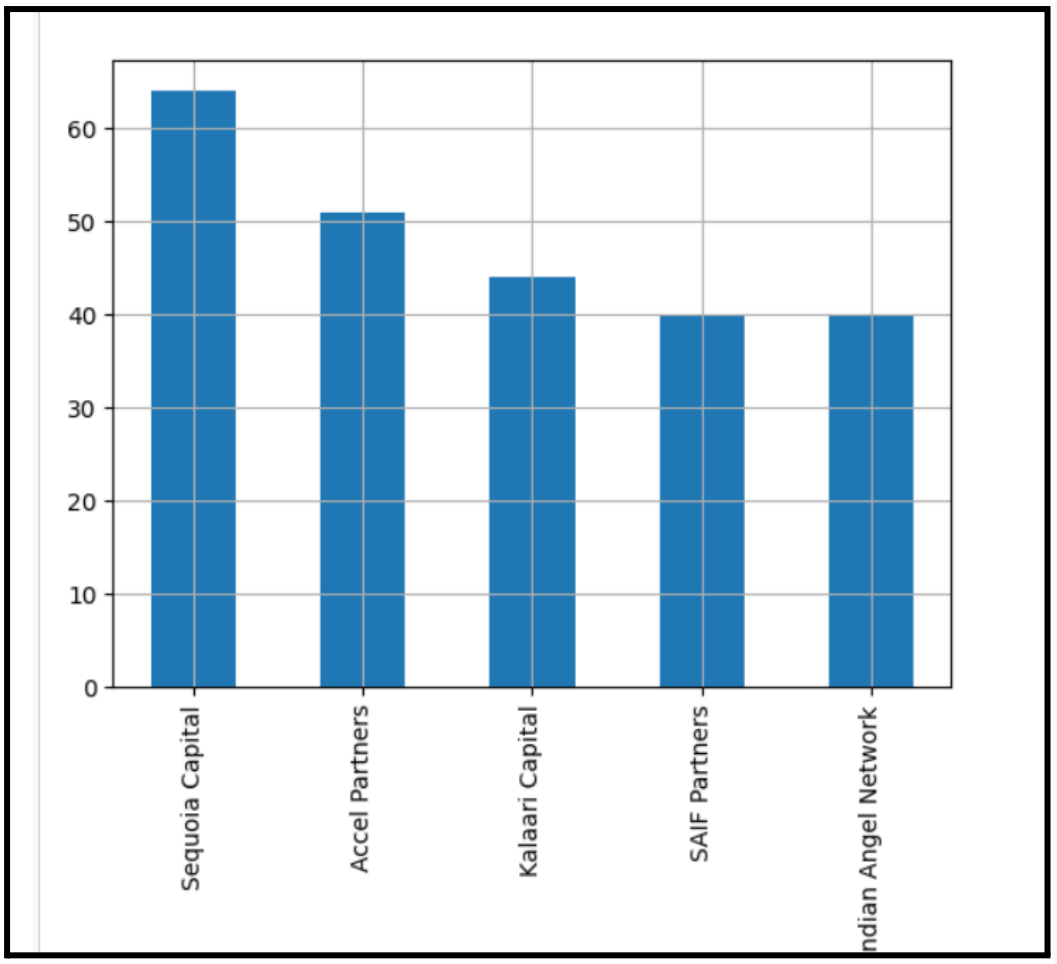
**Answer -**
This time, we will consider the "InvestorsName" column. In this column, there are many instances where it is empty, and we will remove those using the "dropna" function. Additionally, there are numerous instances where the investor name is listed as "undisclosed" and "Undisclosed". We will exclude such instances as well.

In a startup, multiple investors might have made investments. To handle this, we will use the "split" function, using a comma (",") as the separator since multiple investors are separated by commas.

1) **Sequoia Capital 64**
2) **Accel Partners 51**
3) **Kalaari Capital 44**
4) **SAIF Partners 40**
5) **Indian Angel Network 40**

My findings is that these 5 are the one that has invested maximum no of times in startup and I will suggest my friend to look into these

Also "Sequoia Capital" has invested maximum no. of times which is 64.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Sequoia Capital
Accel Partners
Kalaari Capital
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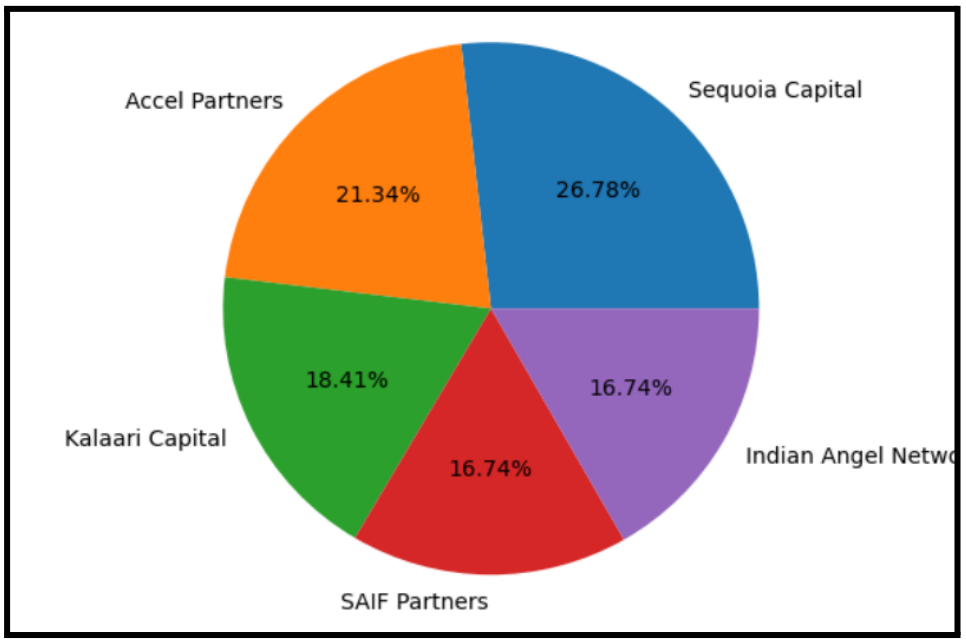

Accel Partners
Sequoia Capital
21.34%
26.78%
18.41%
16.74%
Kalaari Capital
16.74%
Indian Angel Netwo
SAIF Partners

# 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.**

Answer -

Now in this question we need to find such investors which have invested in maximum no of startups.
This time, we will consider the "InvestorsName" column. In this column, there are many instances where it is empty, and we will remove those using the "dropna" function.

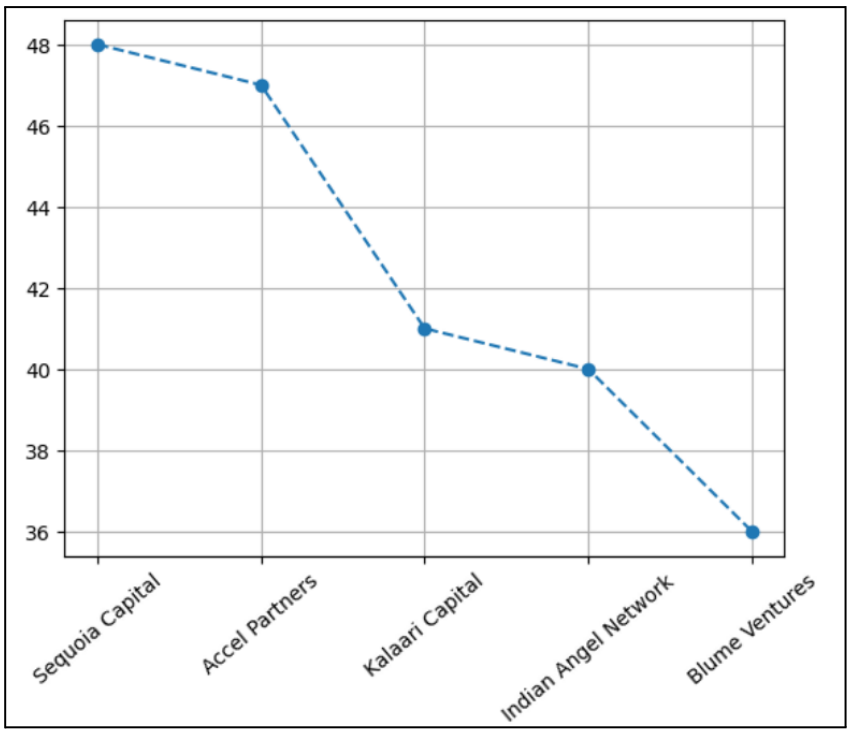
In a startup, multiple investors might have made investments. To handle this, we will use the "split" function, using a comma (",") as the separator since multiple investors are separated by commas.

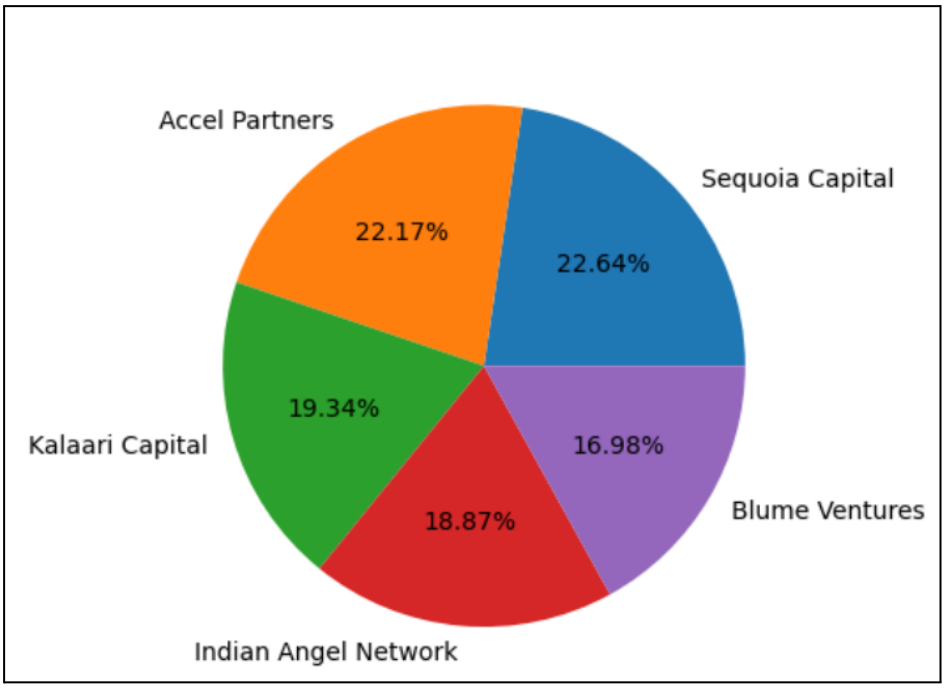
In this case we need to correct the names of Startups as mentioned in the problem.So I have kept that in mind too.

1) **Sequoia Capital 48**
2) **Accel Partners 47**
3) **Kalaari Capital 41**
4) **Indian Angel Network 40**
5) **Blume Ventures 36**

**The top 5 investors mentioned above are the ones who have invested the highest number of times in startups. Among them, Sequoia Capital has invested the most, with a total of 48 investments. This investment accounts for approximately 22.64% of the total investments made by the top 5 investors.**

**Based on this information, I would suggest that my friend approach these investors first, as they have demonstrated a strong interest and track record in funding startups.**



# 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.**

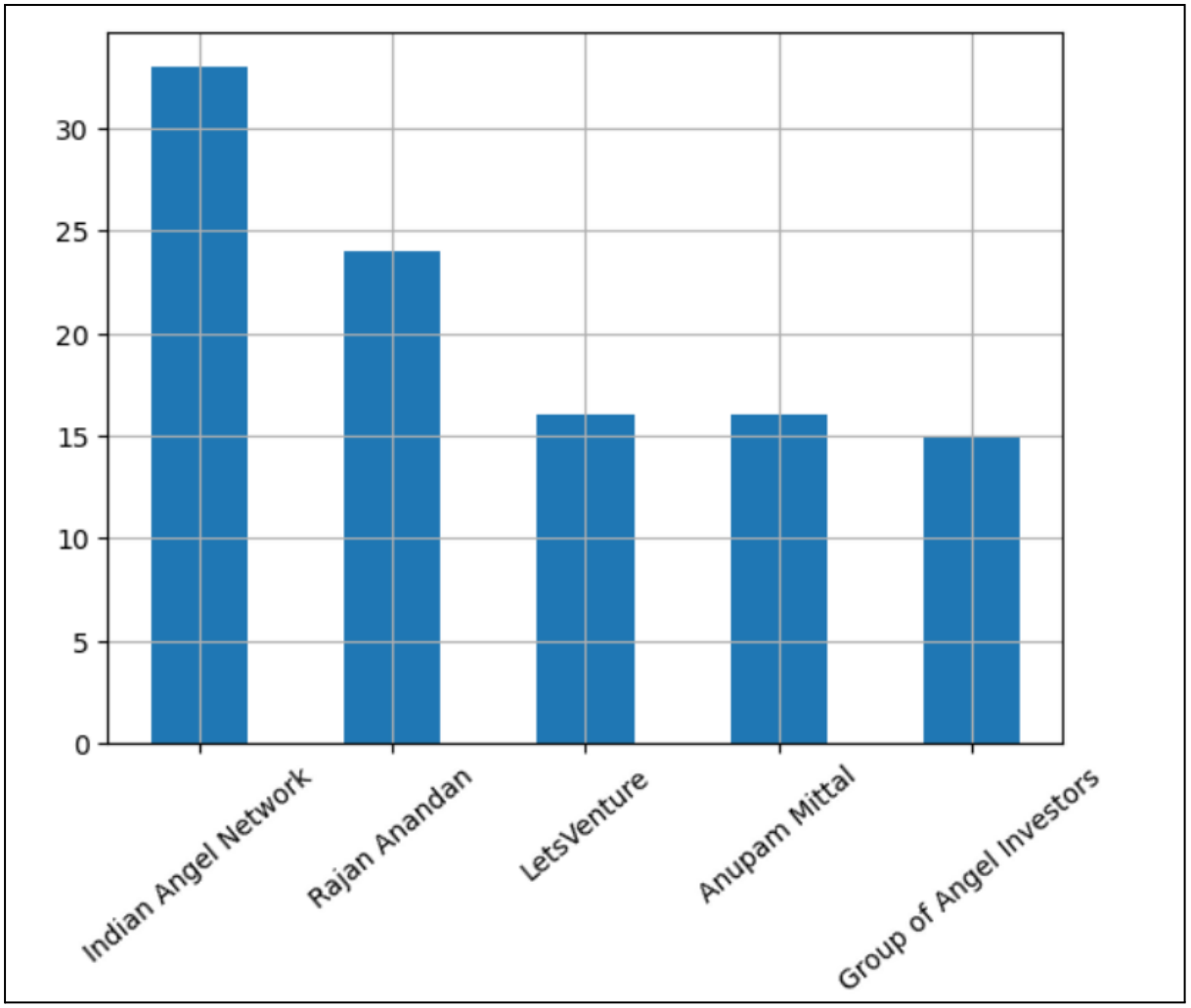
**Answer -**

In this question since my friend is at an early stage startup, so we have to consider only those investor who have investment maximum no. of times in “Crowdfunding “ and “SeedFunding”.

Based on the above condition,i got the following result

1) **Indian Angel Network 33**
2) **Rajan Anandan 24**
3) **LetsVenture 16**
4) **Anupam Mittal 16**
5) **Group of Angel Investors 15**

**Based on my findings, Indian Angel Network has done maximum no of SeedFunding and Crowdfunding with count of 33. Next you will find other investors who have invested the most.**
**So I will insist my friends to approach these investors accordingly.**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Indian Angel Network
Rajan Anandan
LetsVenture
Anupam Mittal
Group of Angel Investors

# 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.**

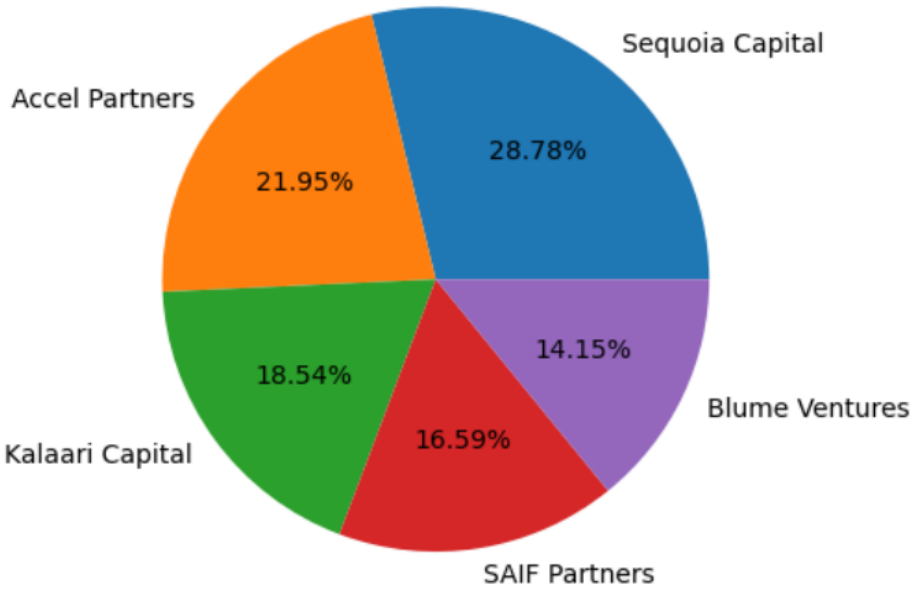
**Find the top 5 investors who have invested in a different number of startups and their investment type is Private Equity. Correct spelling of investment types are - "Private Equity", "Seed Funding", "Debt Funding", and "Crowd Funding". Keep an eye for any spelling mistake. You can find this by printing 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.**

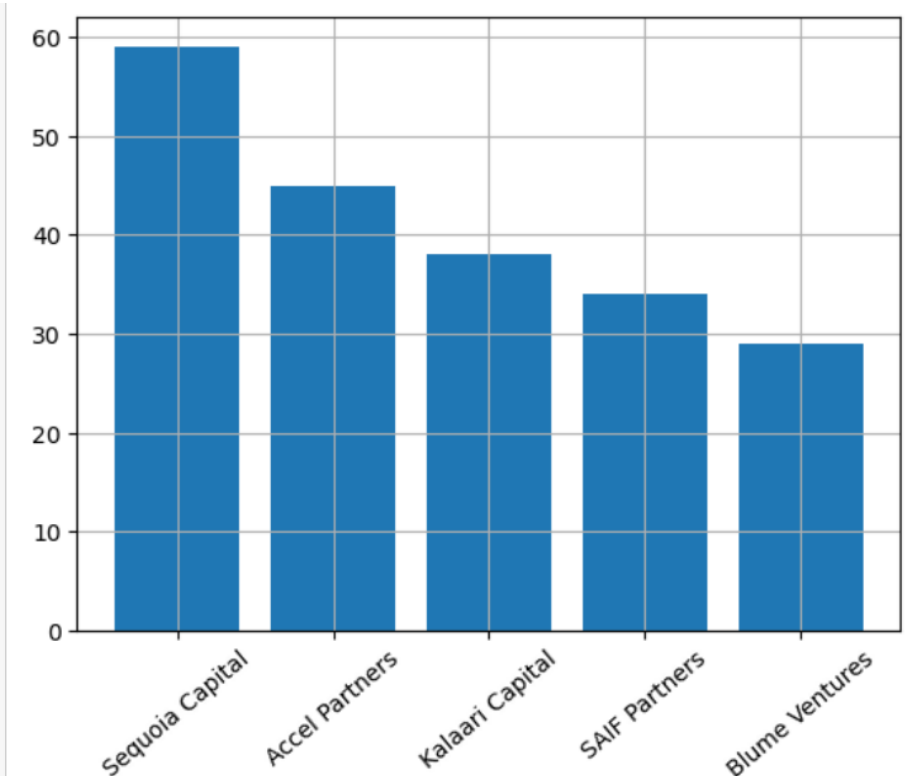
Answer-

In this case I have to find that investors which has invested maxm no of times in a startup where investment type is “Private Equity”.

1) **Sequoia Capital 59**
2) **Accel Partners 45**
3) **Kalaari Capital 38**
4) **SAIF Partners 34**
5) **Blume Ventures 29**

**Based on my findings Sequoia Capital has invested maximum no. of times in “Private Equity” investment type which counts to 59 with 28.78% of the top 5 investors.**


Sequoia Capital
28.78%
Accel Partners
21.95%
14.15%
Blume Ventures
18.54%
Kalaari Capital
16.59%
SAIF Partners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Sequoia Capital
Accel Partners
Kalaari Capital
SAIF Partners
Blume Ventures