QUESTOIN 3

Top five investors who have invested in differnet countries

In [125]:

```
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
ans=pd.read_csv("startup_funding.csv")
ans['StartupName'].replace("Oyo Rooms","Oyo",inplace=True)
ans['StartupName'].replace("OyoRooms","Oyo",inplace=True)
ans['StartupName'].replace("Oyorooms","Oyo",inplace=True)
ans['StartupName'].replace("OyO Rooms","Oyo",inplace=True)
ans['StartupName'].replace("Ola Cabs","Ola",inplace=True)
ans['StartupName'].replace("Olacabs","Ola",inplace=True)
ans['StartupName'].replace("Flipkart.com","Flipkart",inplace=True)
ans['StartupName'].replace("FlipKart","Flipkart",inplace=True)
ans['StartupName'].replace("Paytm Marketplace","Paytm",inplace=True)
# ans["InvestorsName"].dropna(inplace=True)
# ans["StartupName"].dropna(inplace=True)
startup=ans["StartupName"]
investor=ans["InvestorsName"]
dictt={}
biglist=[]
startupli=[]
for i in range(len(investor)):
    value=str(investor[i])
#     if value=="nan":
#         continue
    templi=value.split(",")
    newlist=[]
    for i in range(len(templi)):
        newvalue=templi[i].strip(" ")
        newlist.append(newvalue)
    biglist.append(newlist)
biglist
for i in range(len(startup)):
    value=str(startup[i])
    startupli.append(value)
for i in range(len(biglist)):
    li=biglist[i]
    for j in range(len(li)):
        temp=li[j]
        if temp in dictt:
            checkli=dictt[temp]
            if startupli[i] in checkli:
                continue
            dictt.setdefault(temp, []).append(startupli[i])
        else:
            dictt.setdefault(temp, []).append(startupli[i])
ansli=[]
for row in dictt:
    length=len(dictt[row])
    li=[row,length]
    ansli.append(li)
g=sorted(ansli,key=lambda x: x[1],reverse=True)
investorname=[]
investment=[]
for i in range(6):
    if g[i][0]=="":
        continue
    print(g[i][0],g[i][1])
    investorname.append(g[i][0])
    investment.append(g[i][1])
```

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

ANSWER

1) Sequoia Capital 49

2) Accel Partners 47

3) Kalaari Capital 41

4) Indian Angel Network 40

5) Blume Ventures 36

JUSTIFICATION

Here we need to find the Top 5 investor who have invested maximum number of times but in different Startups. 1) First I made dictionaries of both investor names and startup. 2) After that I made dictionary of Keeping the Investor name as Key and in the value of that key i maintined a list. That list contains all the startups that he has invested in. But each Startup is only included one time even if investor has invested in it number of times.

In [122]:

```
plt.bar(investorname,investment)
plt.xticks(rotation=40)
plt.title("Top FIVE Investors")
plt.show()
```