

```

#code to answer 3
import csv
import operator
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
#opening the file
data = pd.read_csv('startup_funding.csv')
#copying the data
df = data.copy()
#getting the individual investors name where there are multiple
df['InvestorsName'] = df['InvestorsName'].apply(lambda x: str(x).split(','))
#handling the na values
df.StartupName.dropna(inplace = True)
#correcting the mistakes
df.StartupName.replace('Paytm Marketplace', 'Paytm', inplace = True)
df.StartupName.replace('Flipkart.com', 'Flipkart', inplace = True)
df.StartupName.replace('OlaCabs', 'Ola', inplace = True)
df.StartupName.replace('Ola Cabs', 'Ola', inplace = True)
df.StartupName.replace('Oyo Rooms', 'Oyo', inplace = True)
df.StartupName.replace('Oyorooms', 'Oyo', inplace = True)
df.StartupName.replace('OyoRooms', 'Oyo', inplace = True)
df.StartupName.replace('OYO Rooms', 'Oyo', inplace = True)
#making a dictionary for investors portfolio
inp = {}
z = 0
for i in df.InvestorsName:
    #getting the startup name
    comp = df.StartupName[z]
    #investors name
    for j in i:
        j = j.strip()
        if not (j in inp):
            inp[j] = [comp]
        elif not (comp in inp[j]):
            inp[j].append(comp)
    z+=1
#replacing the values of portfolio dictionary with the number of investments made
for i in inp:
    inp[i] = len(inp[i])
#sorting the dictionary
ans = dict(sorted(inp.items(), key=operator.itemgetter(1), reverse=True))
z = 0
#printing the top 5 investors
for i in ans:
    if(z==5):
        break
    if(i!=''):
        print(i, ans[i])
        z+=1

```