A) Write a Python program for Handling Missing Value. Replace missing value of salary,age column with mean of that column.(Use Data.csv file).

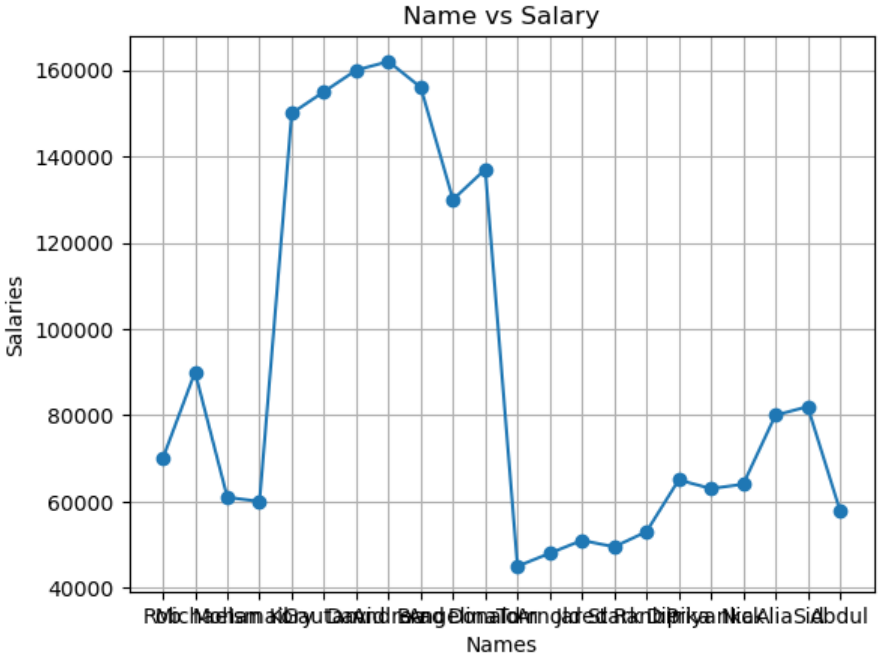
In [19]:
```
import pandas as pd
dt=pd.read_csv('DATA.csv')
meansal = dt['Income($)'].mean()
meanage = dt['Age'].mean()
dt['Income($)'].fillna(meansal)
dt['Age'].fillna(meanage)
dt
```

Out[19]:

	Name	Age	Income($)
0	Rob	27	70000
1	Michael	29	90000
2	Mohan	29	61000
3	Ismail	28	60000
4	Kory	42	150000
5	Gautam	39	155000
6	David	41	160000
7	Andrea	38	162000
8	Brad	36	156000
9	Angelina	35	130000
10	Donald	37	137000
11	Tom	26	45000
12	Arnold	27	48000
13	Jared	28	51000
14	Stark	29	49500
15	Ranbir	32	53000
16	Dipika	40	65000
17	Priyanka	41	63000
18	Nick	43	64000
19	Alia	39	80000
20	Sid	41	82000
21	Abdul	39	58000

B) Write a Python program to generate a line plot of name Vs salary

In [2]:
```
import pandas as pd
import matplotlib.pyplot as plt
dt=pd.read_csv('DATA.csv')
nm=dt['Name']
sal=dt['Income($)']
plt.plot(nm,sal, marker='o')
plt.title('Name vs Salary')
plt.xlabel('Names')
plt.ylabel('Salaries')
plt.grid()
plt.show()
```



C) Download the heights and weights dataset and load the dataset from a given csv file into a dataframe. Print the first, last 10 rows and random 20 rows also display shape of the dataset.

In [6]:
```
import pandas as pd
import matplotlib.pyplot as plt
dt=pd.read_csv('weight-height.csv')
print('First 10 rows..........')
print()
print(dt.head(10))
print()
print('Random 20 rows..........')
print()
print(dt.sample(20))
```

```
First 10 rows...........

  Gender     Height      Weight
0   Male  73.847017  241.893563
1   Male  68.781904  162.310473
2   Male  74.110105  212.740856
3   Male  71.730978  220.042470
4   Male  69.881796  206.349801
5   Male  67.253016  152.212156
6   Male  68.785081  183.927889
7   Male  68.348516  167.971110
8   Male  67.018950  175.929440
9   Male  63.456494  156.399676

Random 20 rows...........

      Gender     Height      Weight
5576  Female  67.068814  152.456871
8720  Female  66.207354  156.537008
8340  Female  60.518440  139.760617
6122  Female  60.194897  127.860000
6979  Female  64.566798  137.431645
2691    Male  70.375344  180.298357
2035    Male  69.470304  183.295606
951     Male  67.259953  186.320797
8331  Female  62.263840  124.034273
9364  Female  60.303841  109.274232
1961    Male  71.873252  211.322776
8076  Female  64.216972  154.446605
373     Male  68.687256  203.560334
6318  Female  59.436151  111.864140
8022  Female  63.948157  125.818926
2659    Male  68.967225  175.552124
970     Male  67.748990  169.740272
2897    Male  70.647139  207.556408
2727    Male  71.417946  209.226567
8898  Female  61.970412  126.783071
```