

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).

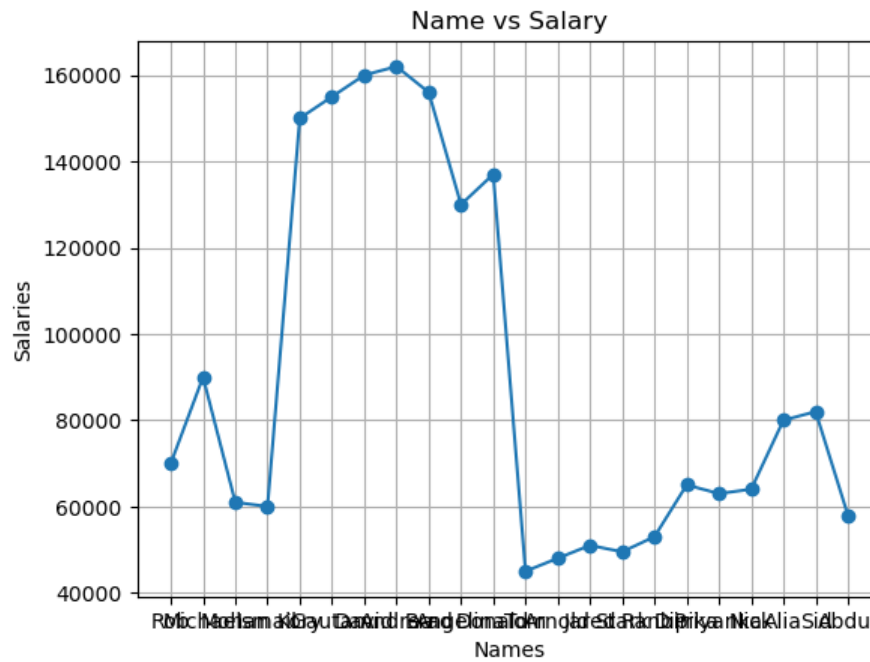
```
In [19]: import pandas as pd
dt=pd.read_csv('DATA.csv')
meansal = dt['Income($)'].mean()
meanage = dt['Age'].mean()
dt['Income($)'].fillna(meansal)
dt['Age'].fillna(meanage)
dt
```

```
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