ASSIGNMENT-5

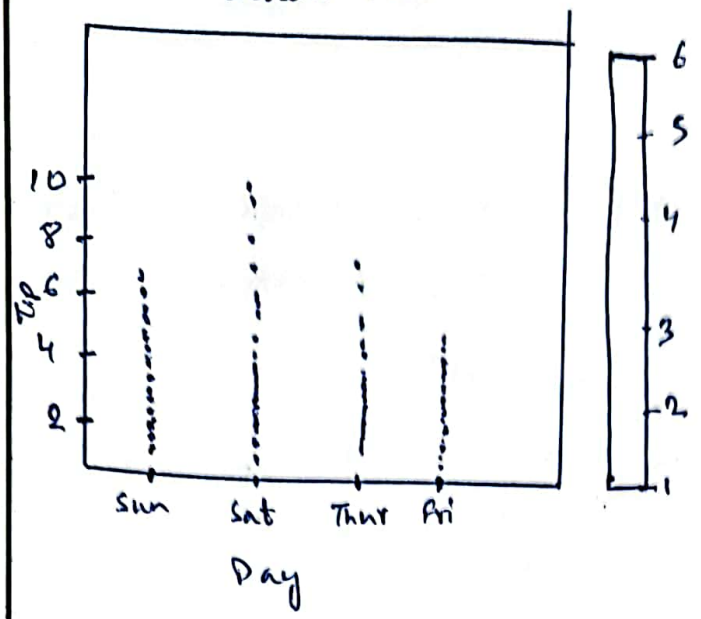
1. WAP in python to print top rows using pandas. and implementation of data visualisation using matplotlib.

```
import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv ("tips.csv")
print(data.head(10))
plt.scatter(data['day'], data['tip'], c=data['size'], s=data['total_bill'])
plt.title("scatter Plot")
plt.xlabel('Day')
plt.ylabel('Tip')
plt.colorbar()
plt.show()
plt.plot(data['tip'])
plt.plot(data['size'])
plt.title("Line Chart")
plt.xlabel('Day')
plt.ylabel('Tip')
plt.show()
plt.bar(data['day'], data['tip'])
plt.title("Bar Chart")
plt.xlabel('Day')
plt.ylabel('Tip')
plt.show
```

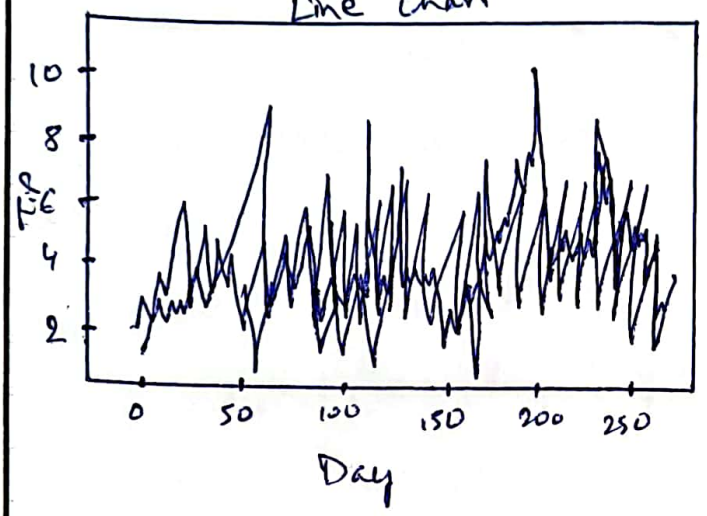
Output :-

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
9	14.78	3.23	Male	No	Sun	Dinner	2

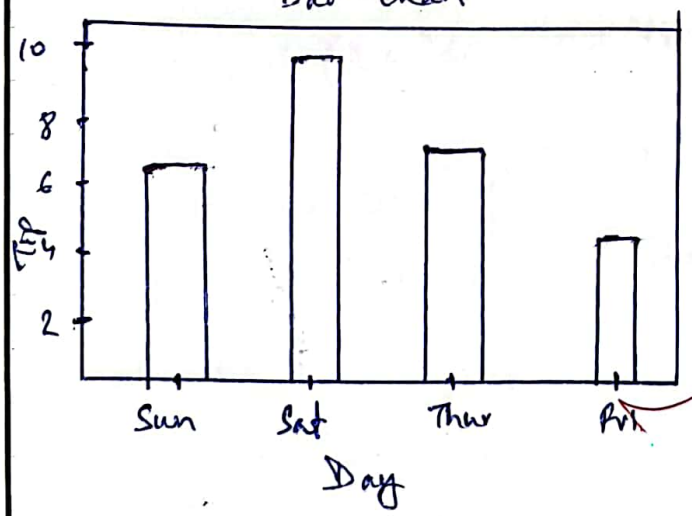
Scatter Plot



Line chart



Bar Chart



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