In [ ]:
```
import pandas as pd
import matplotlib.pyplot as plt
```

In [ ]:
```
df = pd.read_csv('C:\\Users\hp\Downloads\\tips.csv')
df.head()
```

```
<>:1: SyntaxWarning: invalid escape sequence '\h'
<>:1: SyntaxWarning: invalid escape sequence '\h'
C:\Users\hp\AppData\Local\Temp\ipykernel_11992\3170916327.py:1: SyntaxWarning: invalid escape sequence '\h'
  df = pd.read_csv('C:\\Users\hp\Downloads\\tips.csv')
```

Out[ ]:

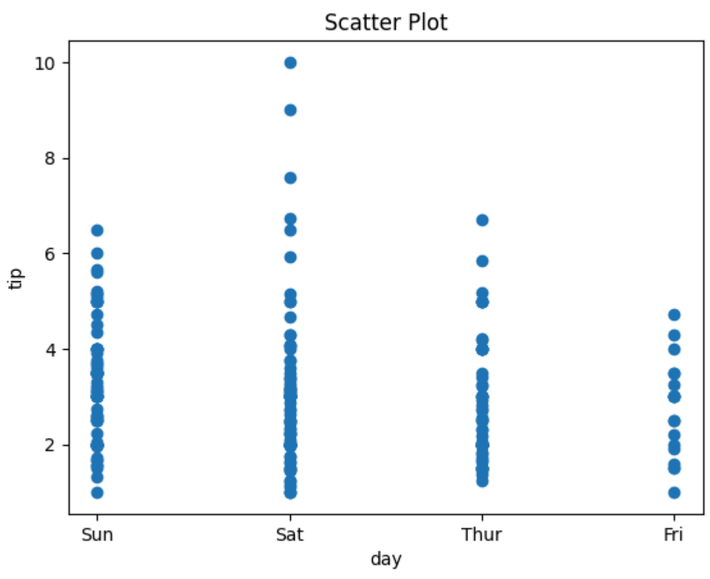
	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

In [ ]:
```
df.info()
```

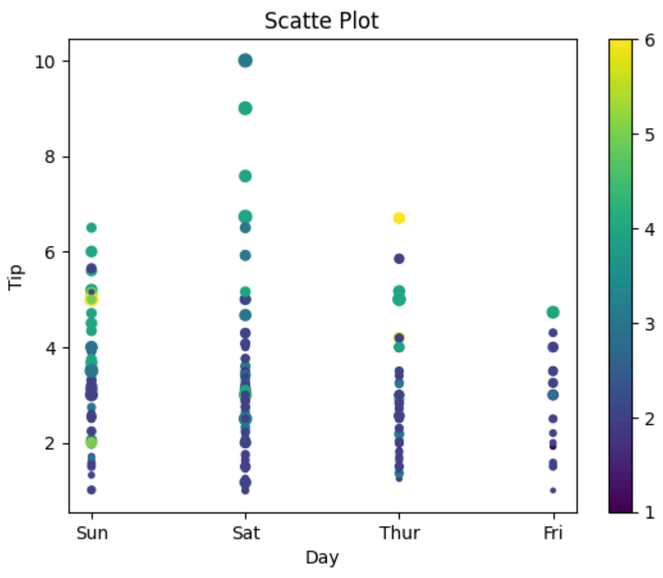
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 244 entries, 0 to 243
Data columns (total 7 columns):
 #   Column      Non-Null Count  Dtype
---  ------      --------------  -----
 0   total_bill  244 non-null    float64
 1   tip         244 non-null    float64
 2   sex         244 non-null    object
 3   smoker      244 non-null    object
 4   day         244 non-null    object
 5   time        244 non-null    object
 6   size        244 non-null    int64
dtypes: float64(2), int64(1), object(4)
memory usage: 13.5+ KB
```

In [ ]:
```
#Scatter Plot
plt.scatter(df['day'], df['tip'])

plt.title("Scatter Plot") #adding title
plt.xlabel('day') #adding lables
plt.ylabel('tip')

plt.show
```

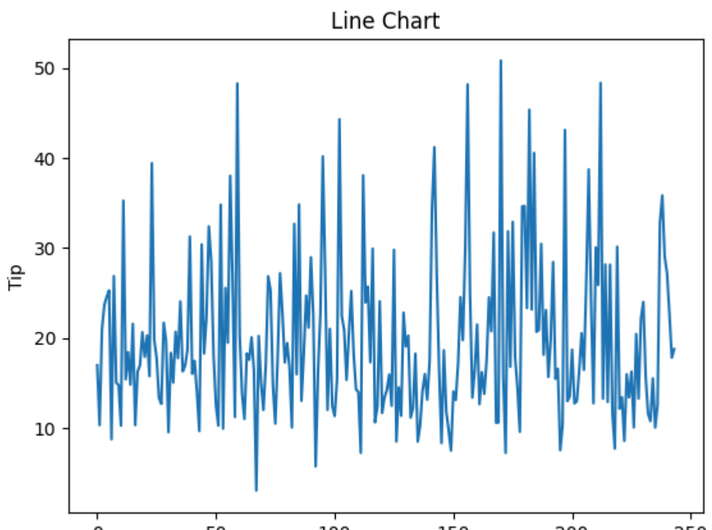
Out[ ]: `<function matplotlib.pyplot.show(close=None, block=None)>`



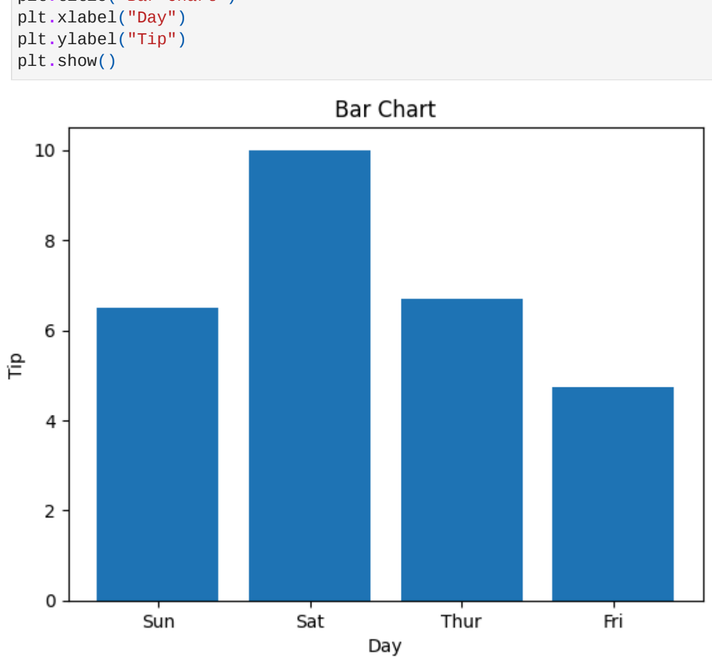
In [ ]:
```
plt.scatter(df['day'], df['tip'], c=df['size'], s=df['total_bill'])

plt.title("Scatte Plot")
plt.xlabel('Day')
plt.ylabel('Tip')
plt.colorbar()
plt.show()
```



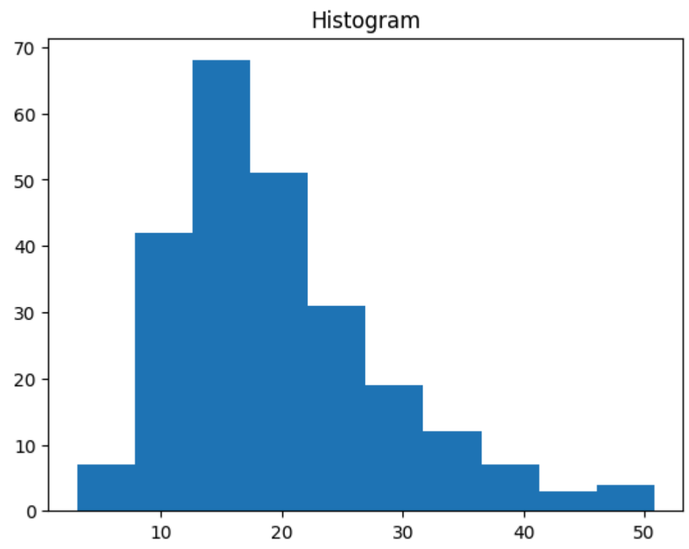
In [ ]:
```
#Line Chart
plt.plot(df['total_bill'])

plt.title("Line Chart")
plt.xlabel("Day")
plt.ylabel("Tip")

plt.show()
```



In [ ]:
```
#Bar Chart
plt.bar(df['day'], df['tip'])

plt.title("Bar Chart")
plt.xlabel("Day")
plt.ylabel("Tip")
plt.show()
```



In [ ]:
```
plt.hist(df['total_bill']) #histogram

plt.title("Histogram")
plt.show()
```


Histogram
70
60
50
40
30
20
10
0
10
20
30
40
50