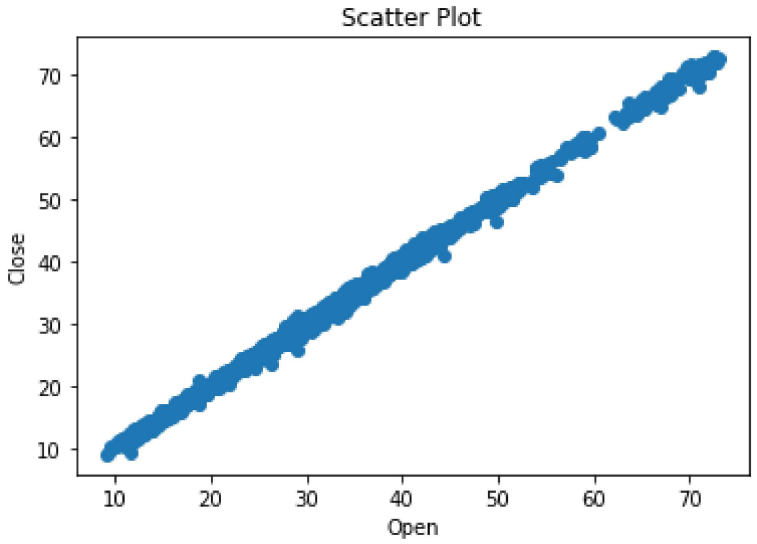
In [1]:
```
import pandas as pd

data = pd.read_csv("stock_data.csv")
```

In [2]:
```
display(data.head(10))
```

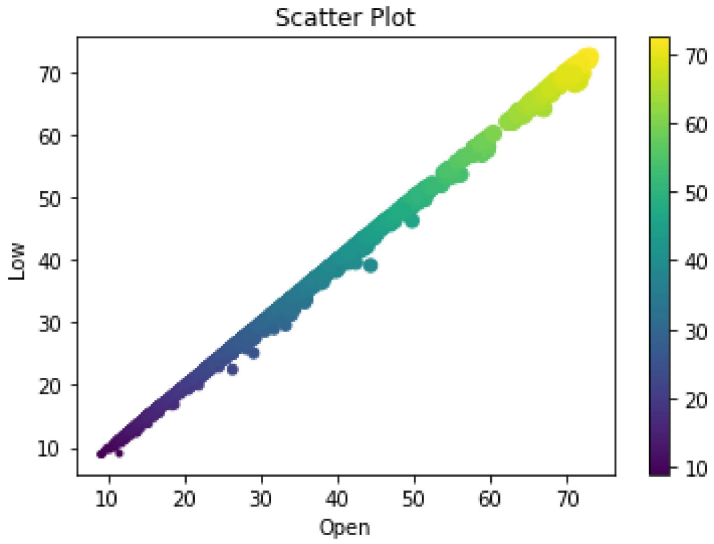
	Unnamed: 0	Date	Open	High	Low	Close	Volume	Name
0	NaN	1/3/2006	39.69	41.22	38.79	40.91	24232729	AABA
1	NaN	1/4/2006	41.22	41.90	40.77	40.97	20553479	AABA
2	NaN	1/5/2006	40.93	41.73	40.85	41.53	12829610	AABA
3	NaN	1/6/2006	42.88	43.57	42.80	43.21	29422828	AABA
4	NaN	1/9/2006	43.10	43.66	42.82	43.42	16268338	AABA
5	NaN	1/10/2006	42.96	43.34	42.34	42.98	16288580	AABA
6	NaN	1/11/2006	42.19	42.31	41.72	41.87	26192772	AABA
7	NaN	1/12/2006	41.92	41.99	40.76	40.89	18921686	AABA
8	NaN	1/13/2006	41.00	41.08	39.62	39.90	30966185	AABA
9	NaN	1/17/2006	39.09	40.39	38.96	40.11	42429911	AABA

In [3]:
```
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("stock_data.csv")

plt.scatter(data['Open'], data['Close'])

plt.title("Scatter Plot")
plt.xlabel('Open')
plt.ylabel('Close')
plt.show()
```



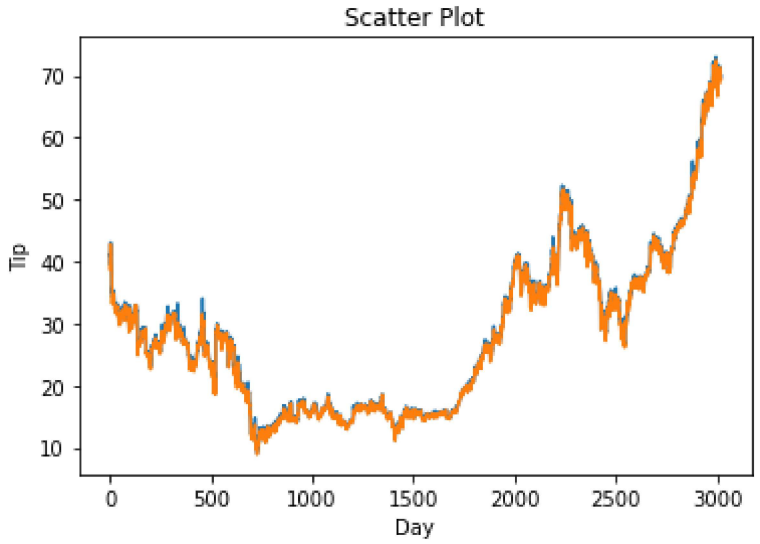
In [4]:

```
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("stock_data.csv")

plt.scatter(data['Open'], data['Low'], c=data['Low'],
s=data['Close'])

plt.title("Scatter Plot")

plt.xlabel('Open')
plt.ylabel('Low')

plt.colorbar()

plt.show()
```



In [5]:

```
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("stock_data.csv")

plt.plot(data['Open'])
plt.plot(data['Low'])

plt.title("Scatter Plot")

plt.xlabel('Day')
plt.ylabel('Tip')

plt.show()
```

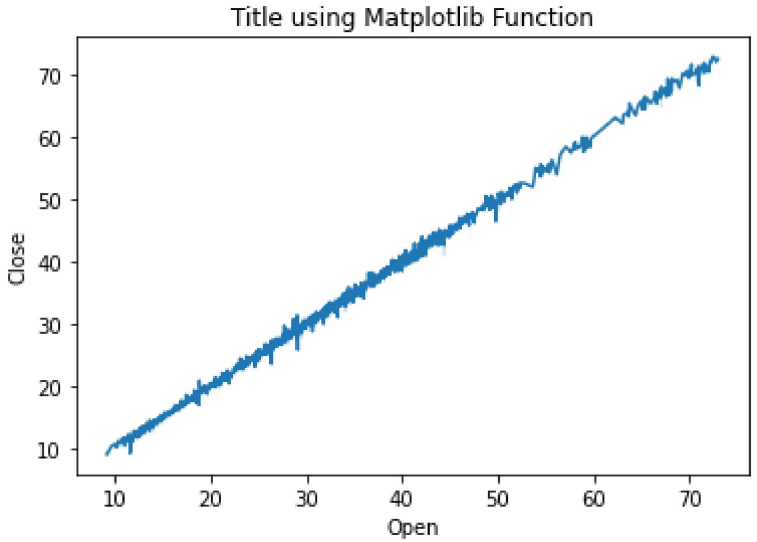


In [1]:

```
%pip install seaborn

import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

data = pd.read_csv("stock_data.csv")

sns.lineplot(x="Open", y="Close", data=data)

plt.title('Title using Matplotlib Function')
plt.show()
```

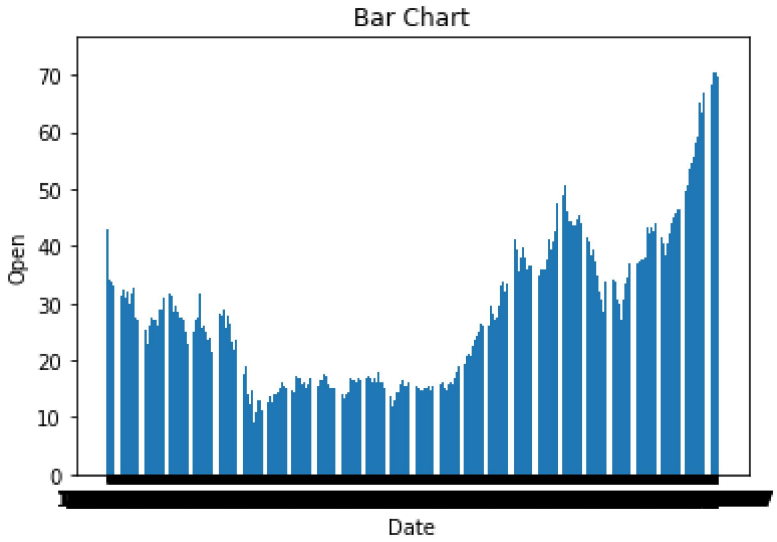
```
Requirement already satisfied: seaborn in c:\users\dsaik\anaconda3\lib\site-packages (0.11.2)Note: you may need to restart the ker
nel to use updated packages.
Requirement already satisfied: numpy>=1.15 in c:\users\dsaik\anaconda3\lib\site-packages (from seaborn) (1.20.3)
Requirement already satisfied: scipy>=1.0 in c:\users\dsaik\anaconda3\lib\site-packages (from seaborn) (1.7.1)
Requirement already satisfied: pandas>=0.23 in c:\users\dsaik\anaconda3\lib\site-packages (from seaborn) (1.3.4)
Requirement already satisfied: matplotlib>=2.2 in c:\users\dsaik\anaconda3\lib\site-packages (from seaborn) (3.4.3)

Requirement already satisfied: pyparsing>=2.2.1 in c:\users\dsaik\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.
```

```
0.4)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\dsaik\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.
3.1)
Requirement already satisfied: pillow>=6.2.0 in c:\users\dsaik\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (8.4.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\dsaik\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn)
(2.8.2)
Requirement already satisfied: cycler>=0.10 in c:\users\dsaik\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.10.0)
Requirement already satisfied: six in c:\users\dsaik\anaconda3\lib\site-packages (from cycler>=0.10->matplotlib>=2.2->seaborn) (1.
16.0)
Requirement already satisfied: pytz>=2017.3 in c:\users\dsaik\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2021.3)
```



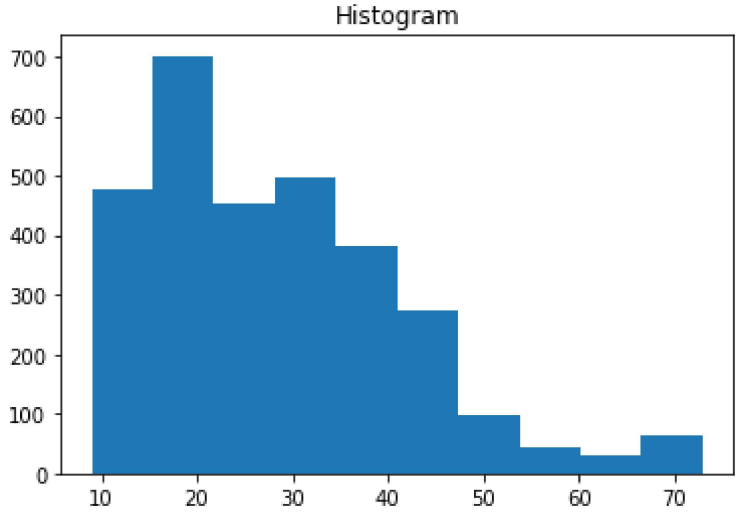
In [2]:

```python
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("stock_data.csv")

plt.bar(data['Date'], data['Open'])
plt.title("Bar Chart")

plt.xlabel('Date')
plt.ylabel('Open')

plt.show()
```



In [3]:

```
import pandas as pd
import matplotlib.pyplot as plt


data = pd.read_csv("stock_data.csv")

plt.hist(data['Close'])
plt.title("Histogram")

plt.show()
```



In [ ]: