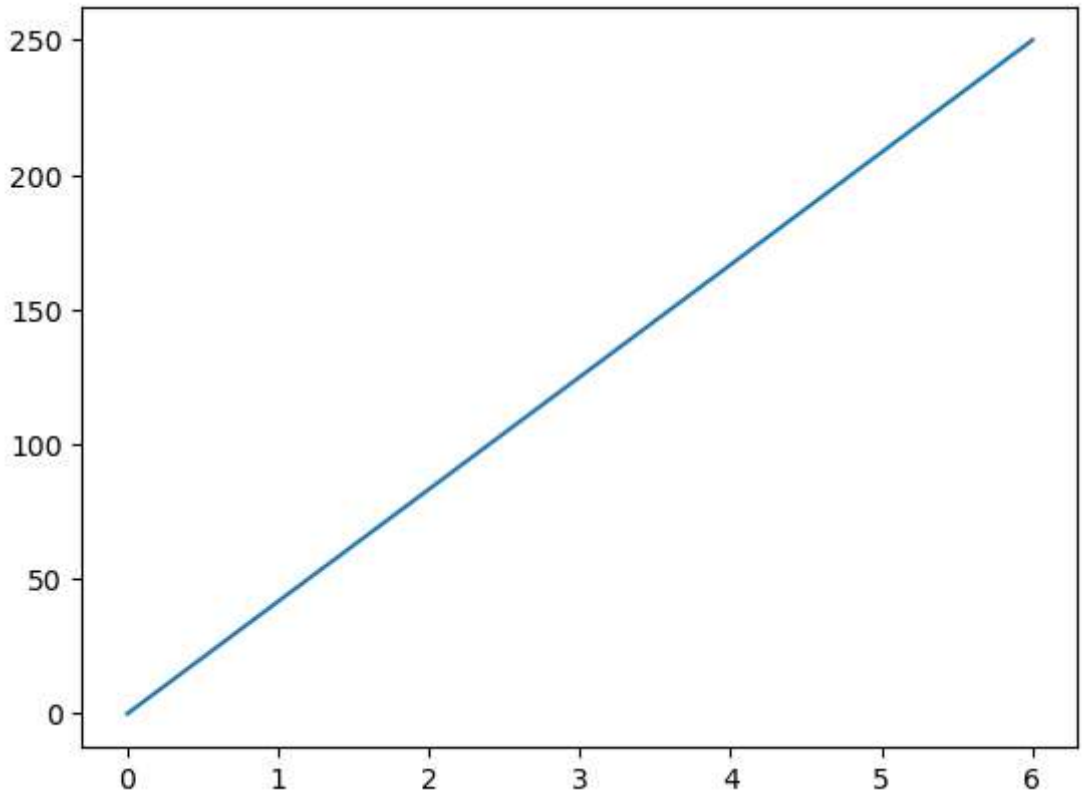
In [4]:
```
#here importing the pnadas and numpy library
import pandas as pd
import numpy as np
```

In [5]:
```
import matplotlib
print(matplotlib.__version__)
```

```
3.5.2
```

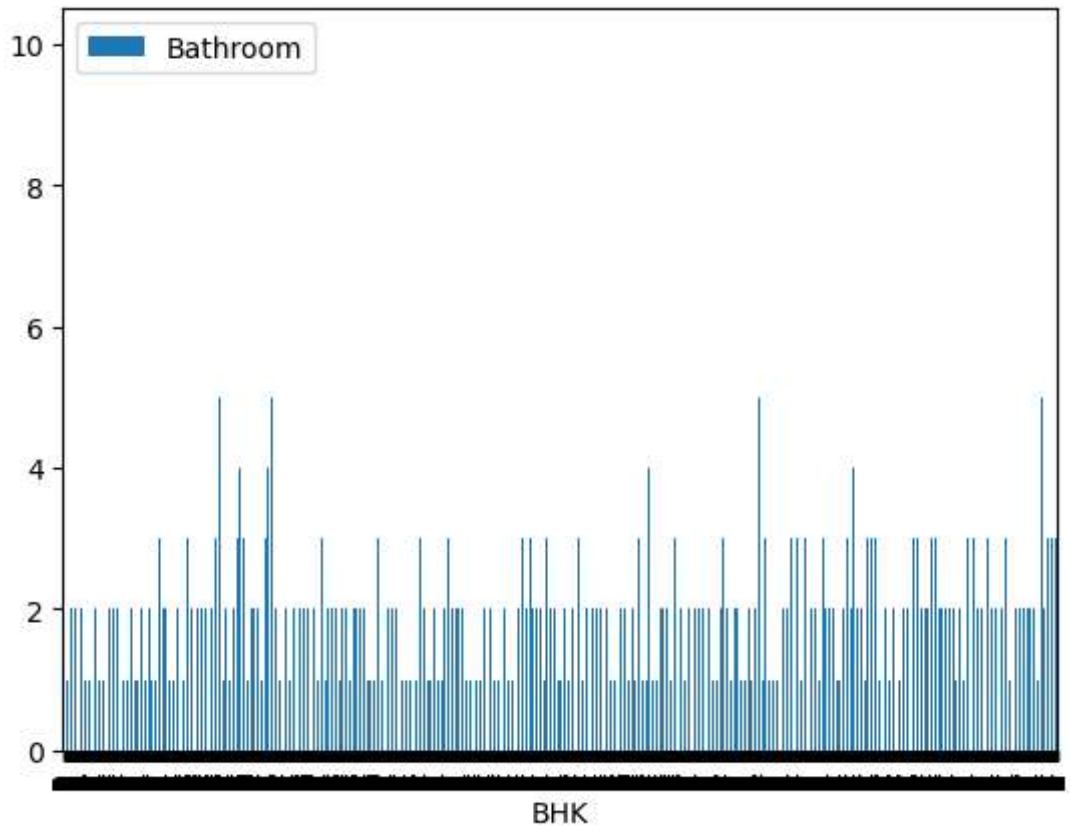
In [6]:
```
#example pf matplotlib to show what it does
import matplotlib.pyplot as plt
import numpy as np

xpoints = np.array([0, 6])
ypoints = np.array([0, 250])

plt.plot(xpoints, ypoints)
plt.show()
```



In [7]:
```
#reading the csv file
dataframe = pd.read_csv("House_Rent_Dataset-main.csv")
```

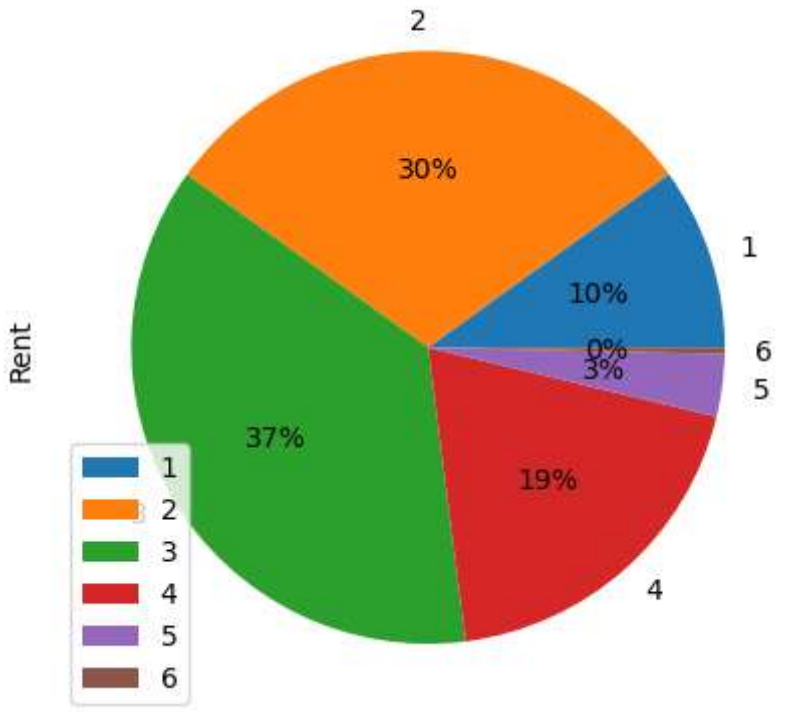
In [8]:
```
#plotting a bar graph
import matplotlib.pyplot as plt
new_dataframe = dataframe
new_dataframe.plot(x="BHK", y="Bathroom", kind="bar")
```

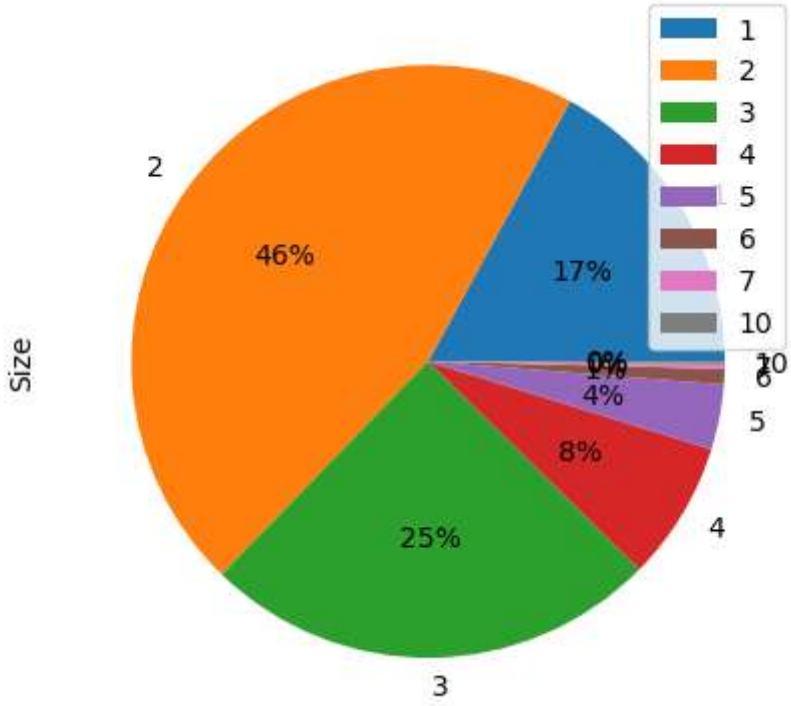
Out[8]: <AxesSubplot:xlabel='BHK'>



In [15]:
```
#plotting a pie chart
import matplotlib.pyplot as plt
# Plotting the pie chart for above dataframe
new_dataframe.groupby(['BHK']).sum().plot(kind='pie', y='Rent', autopct='%1.0f
new_dataframe.groupby(['Bathroom']).sum().plot(kind='pie', y='Size', autopct='
```

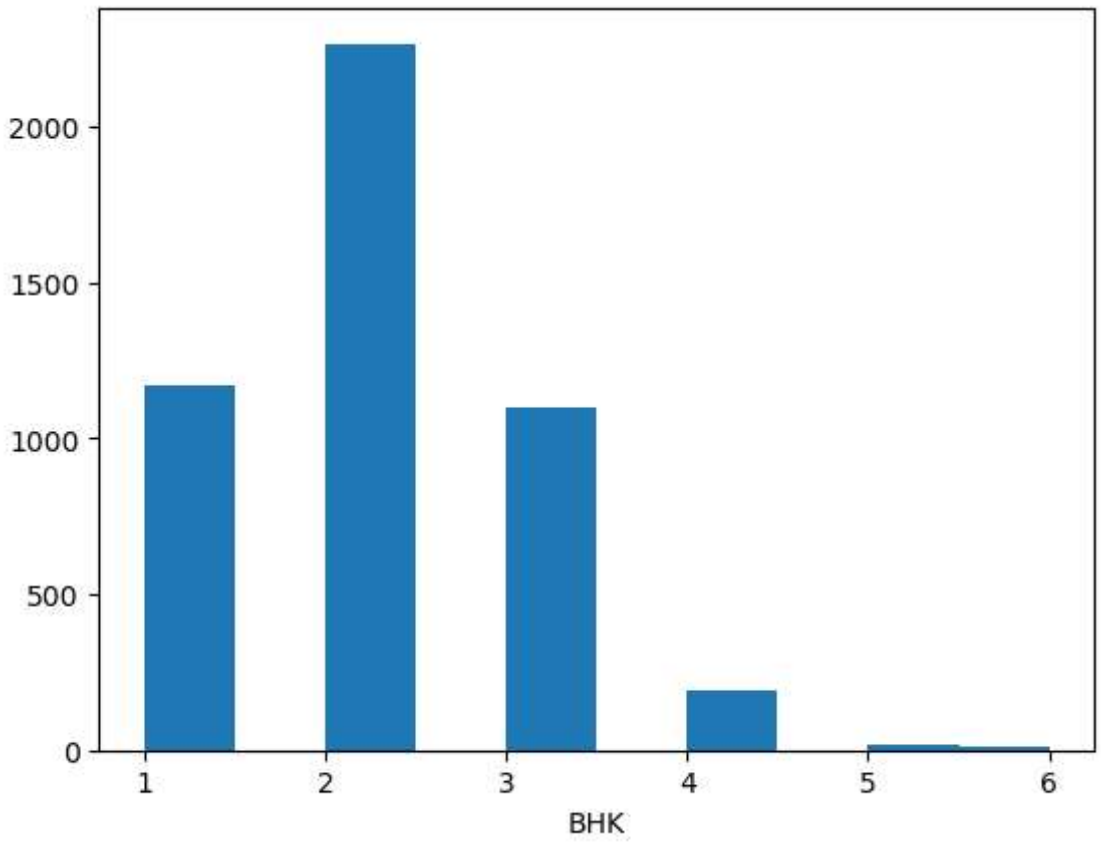
Out[15]: <AxesSubplot:ylabel='Size'>





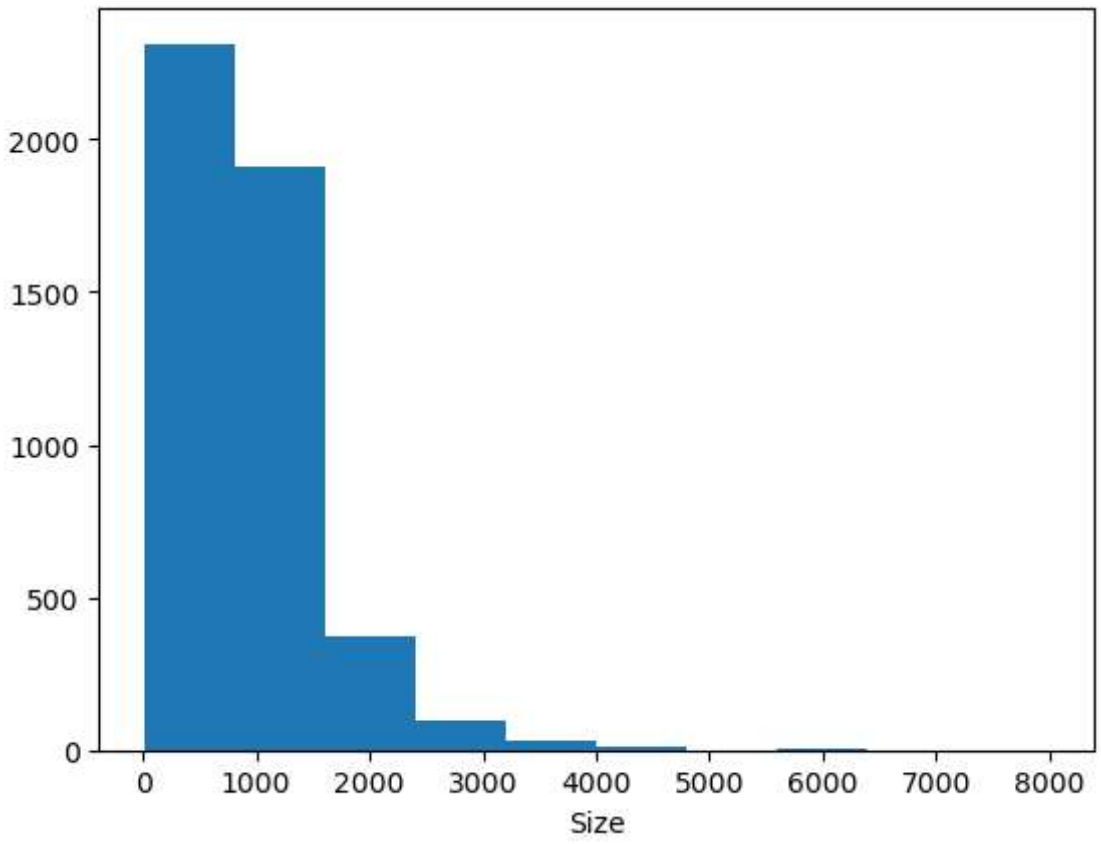
In [25]:
```
#plotting a histogram for number's of BHK's
plt.hist(new_dataframe['BHK'])
plt.xlabel("BHK")
```

Out[25]:
```
Text(0.5, 0, 'BHK')
```



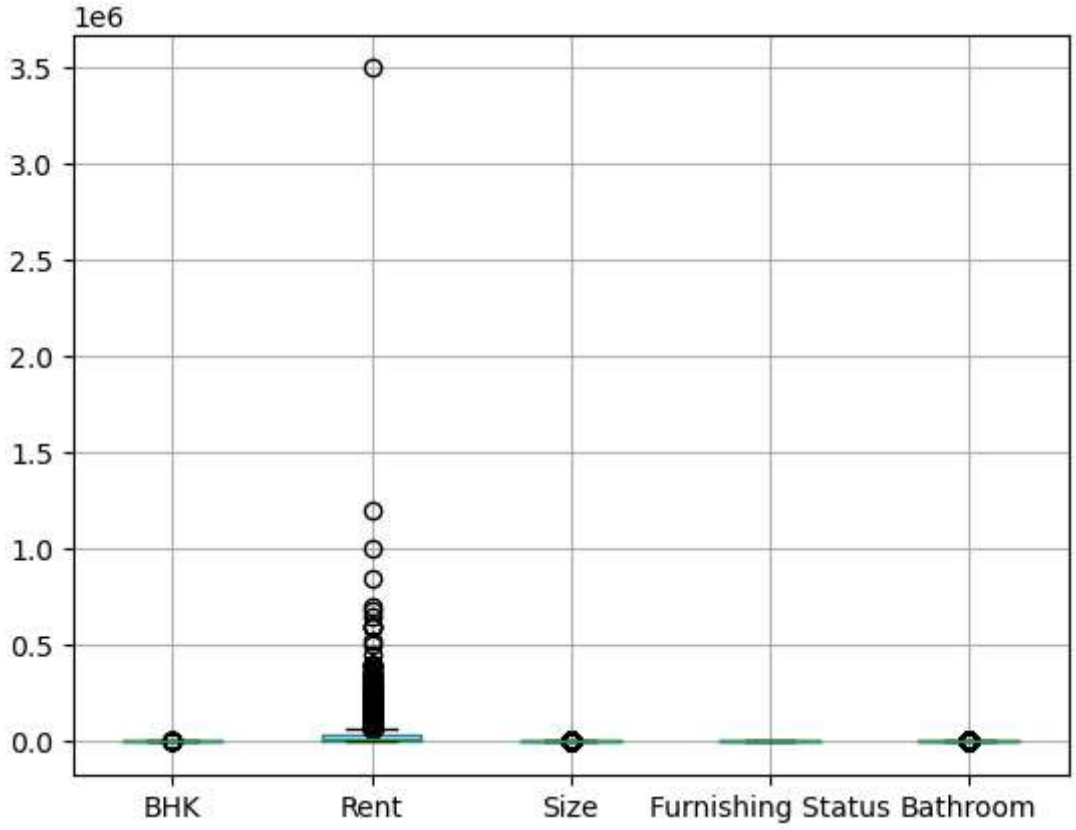
In [26]:
```
#plotting a histogram for number's of Size
plt.hist(new_dataframe['Size'])
plt.xlabel("Size")
```

Out[26]:
```
Text(0.5, 0, 'Size')
```

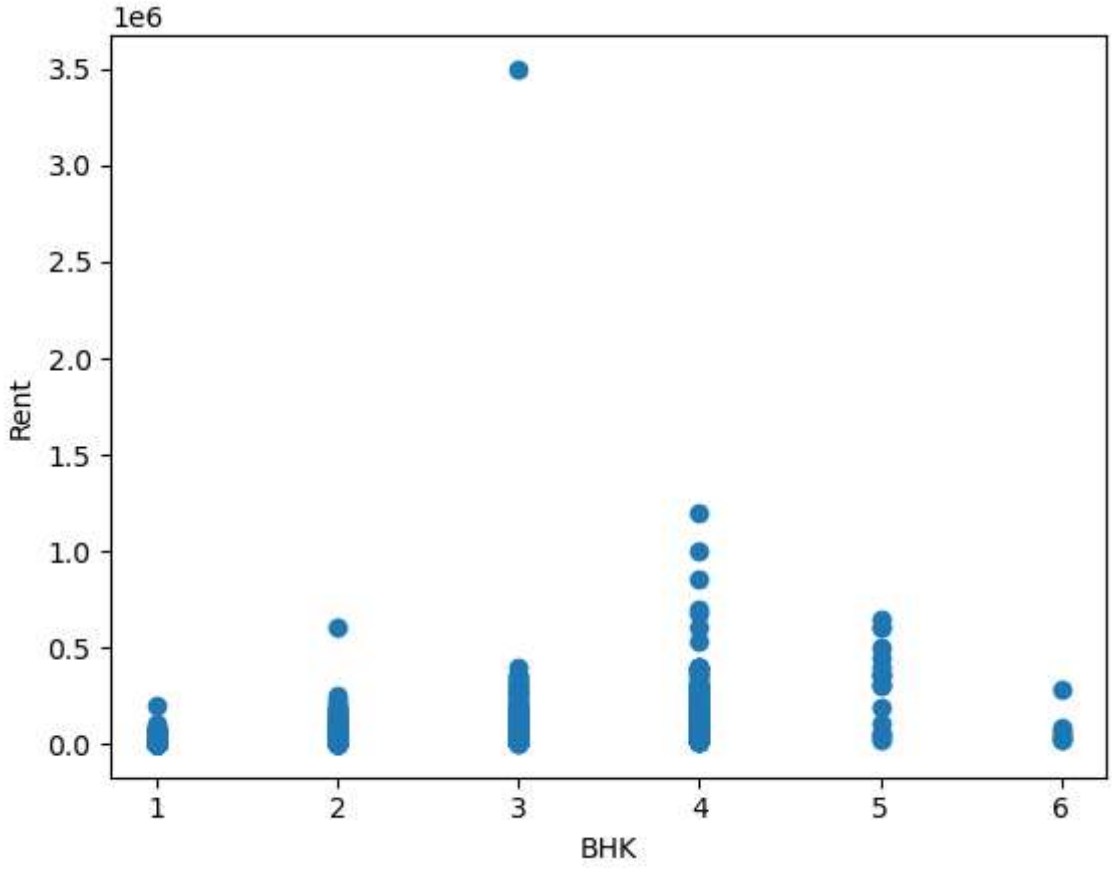


In [21]:
```
# Syntax of boxplot()
new_dataframe.boxplot(column=None, by=None, ax=None, fontsize=None, rot=0, gri
```

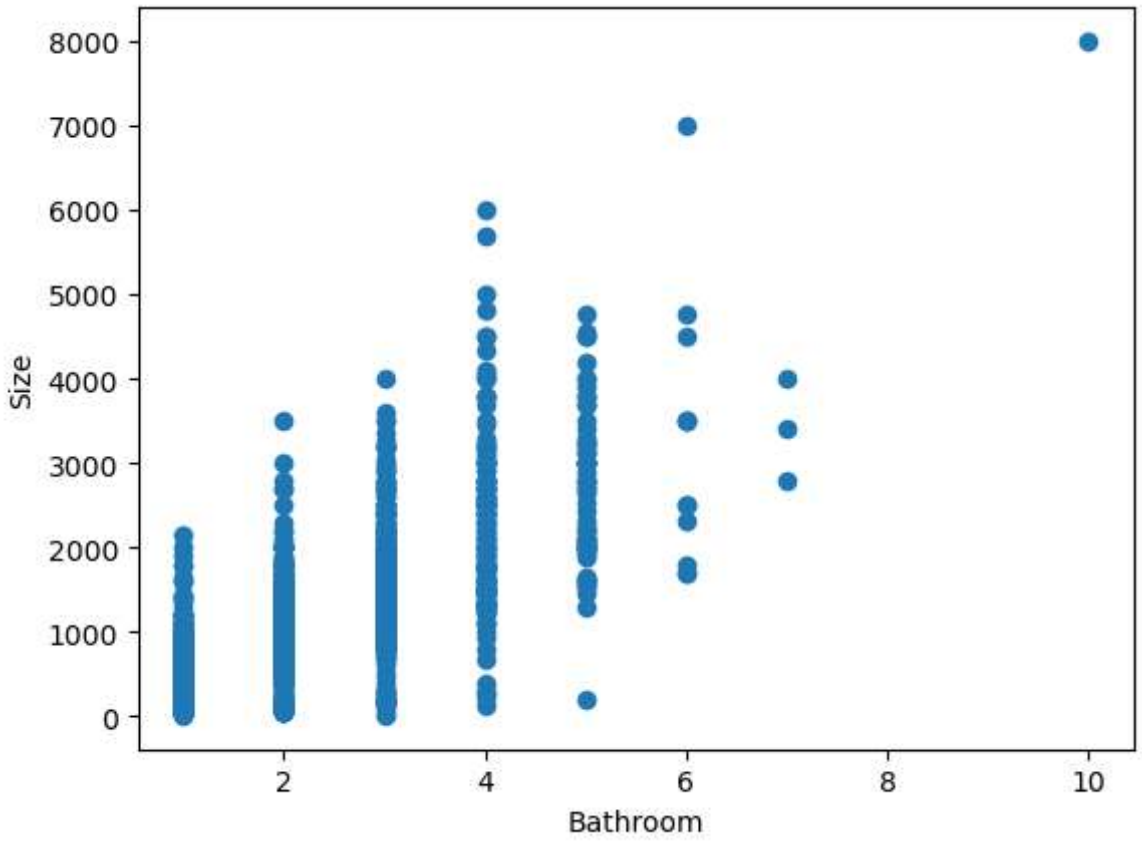
Out[21]: <AxesSubplot:>



In [27]:
```
# Syntax of scatter plot()
plt.scatter(new_dataframe['BHK'], new_dataframe['Rent'])
plt.xlabel("BHK")
plt.ylabel("Rent")
plt.show()
```



In [28]:
```
# Syntax of scatter plot()
plt.scatter(new_dataframe['Bathroom'], new_dataframe['Size'])
plt.xlabel("Bathroom")
plt.ylabel("Size")
plt.show()
```



In [ ]:
```
```