Scatter Ploting

Importing Libraries

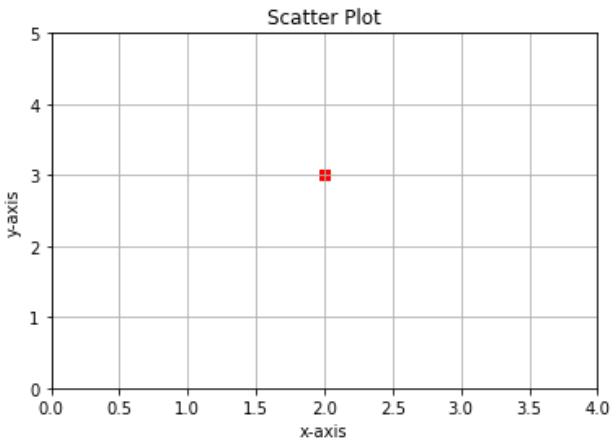
In [3]:
```
import numpy as np
import pandas as pd

import matplotlib.pyplot as plt
```

Ploting one point

In [44]:
```
xi = 2
```

In [45]:
```
plt.grid()
plt.title('Scatter Plot')
plt.xlim([0,4])
plt.ylim([0,5])
plt.xlabel('x-axis')
plt.ylabel('y-axis')
```

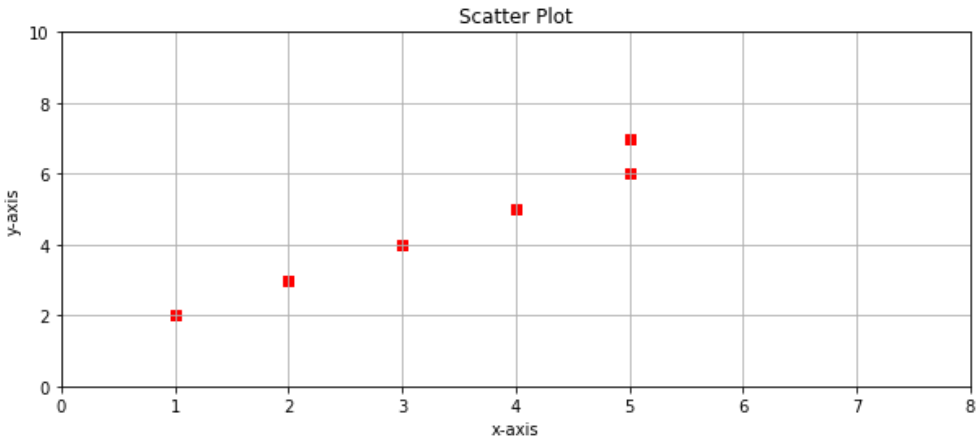


Ploting multiple pints

In [31]:
```
x = [1,2,3,4,5,5]
```

In [32]:
```
plt.figure(figsize=(10,4))
plt.grid()

plt.title('Scatter Plot')
plt.xlim([0,8])
plt.ylim([0,10])
plt.xlabel('x-axis')
plt.ylabel('y-axis')
```



ploting Tv Marketing Data

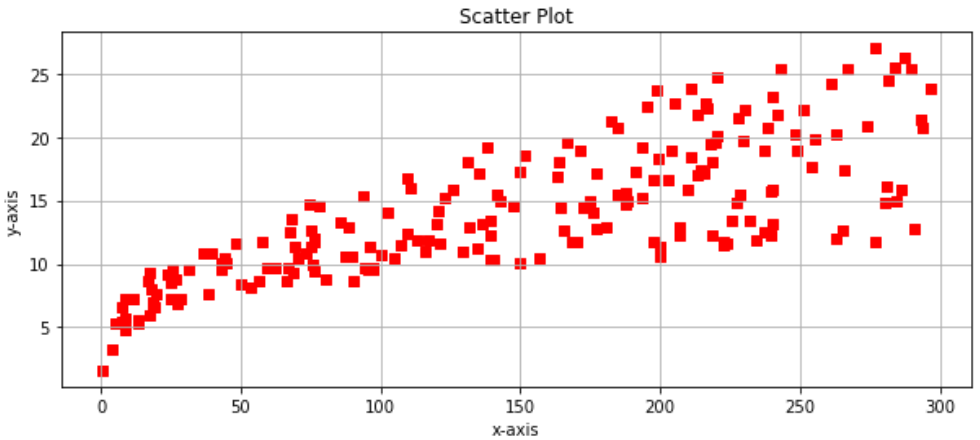
In [33]:
```
```

In [50]:
```
```

Out[50]: Index(['TV', 'Sales'], dtype='object')

In [40]:
```
plt.figure(figsize=(10,4))
plt.grid()

plt.title('Scatter Plot')
plt.xlabel('x-axis')
plt.ylabel('y-axis')
```



Working with iris data

In [51]:

In [63]:

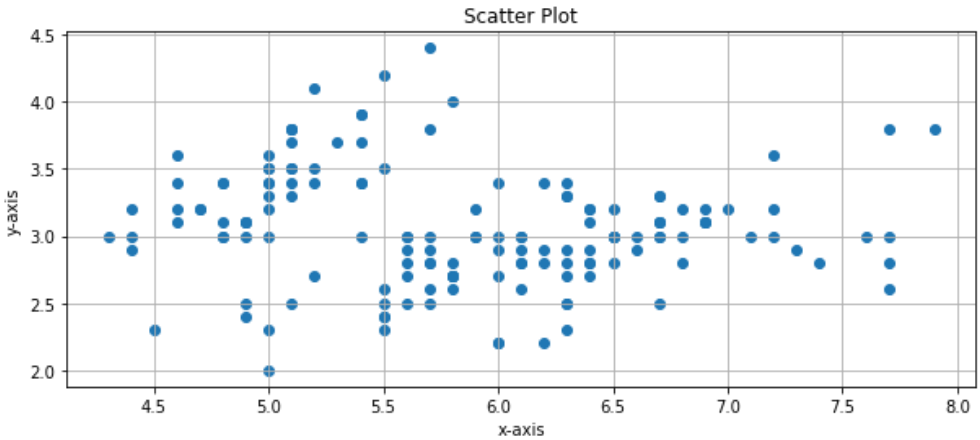
Out[63]:

	sepal_length	sepal_width	petal_length	petal_width	species
101	5.8	2.7	5.1	1.9	virginica
12	4.8	3.0	1.4	0.1	setosa
76	6.8	2.8	4.8	1.4	versicolor
2	4.7	3.2	1.3	0.2	setosa
56	6.3	3.3	4.7	1.6	versicolor
55	5.7	2.8	4.5	1.3	versicolor
7	5.0	3.4	1.5	0.2	setosa
51	6.4	3.2	4.5	1.5	versicolor
80	5.5	2.4	3.8	1.1	versicolor
17	5.1	3.5	1.4	0.3	setosa

In [61]:

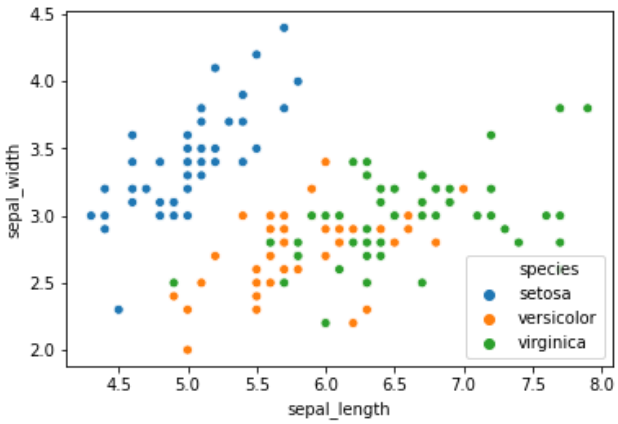
```
plt.figure(figsize=(10,4))
plt.grid()

plt.title('Scatter Plot')
plt.xlabel('x-axis')
plt.ylabel('y-axis')
```



In [62]:

Out[62]: <matplotlib.axes._subplots.AxesSubplot at 0x7feaedff0c70>



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