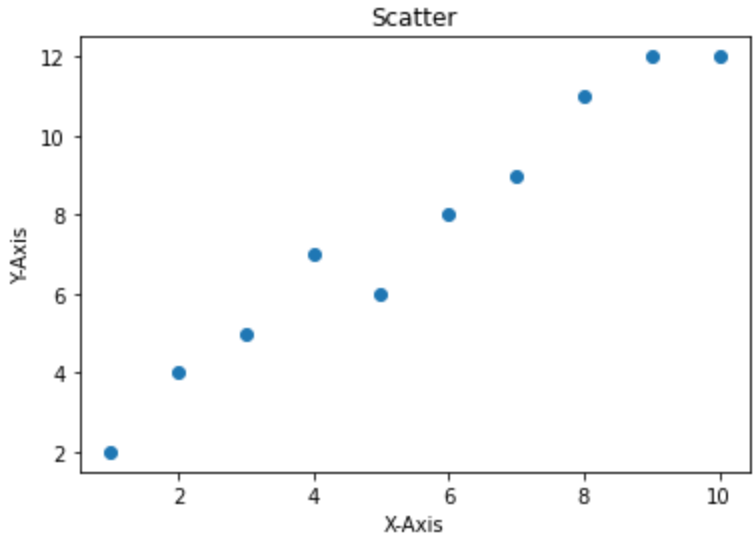
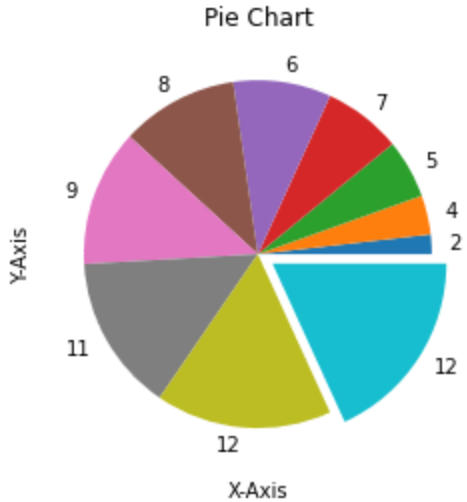
scatter

In [1]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([1,2,3,4,5,6,7,8,9,10])
y = np.array([2,4,5,7,6,8,9,11,12,12])
plt.scatter(x,y)
plt.xlabel('X-Axis')
plt.ylabel('Y-Axis')
plt.title('Scatter')
plt.show()
```



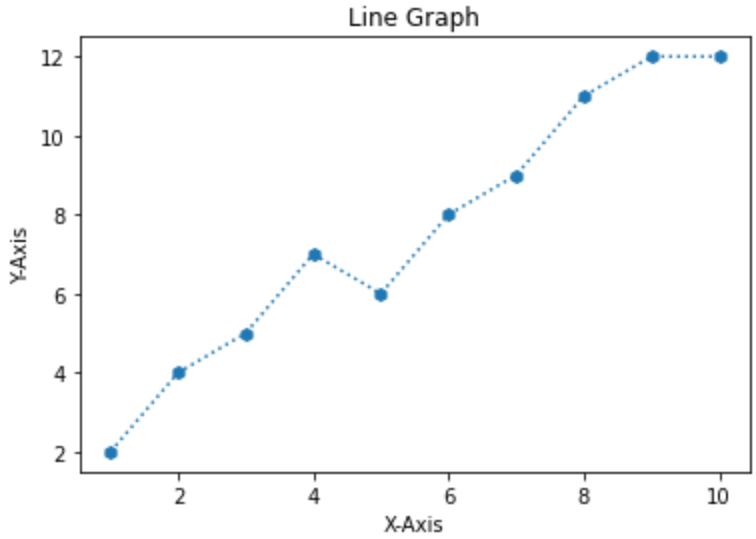
pie-chart

In [21]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([1,2,3,4,5,6,7,8,9,10])
y = np.array([2,4,5,7,6,8,9,11,12,12])
seperate = np.array([0,0,0,0,0,0,0,0,0,0.1])
plt.pie(x,labels = y,explode = seperate)
plt.xlabel('X-Axis')
plt.ylabel('Y-Axis')
plt.title('Pie Chart')
plt.show()
```



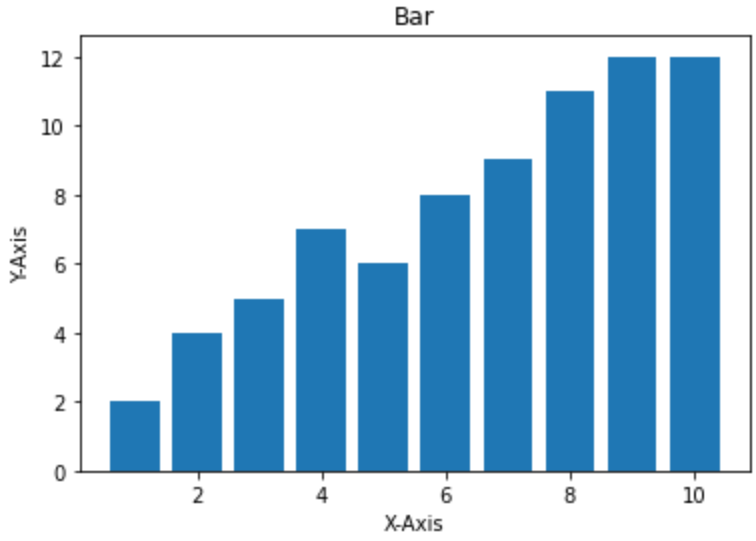
plot

In [13]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([1,2,3,4,5,6,7,8,9,10])
y = np.array([2,4,5,7,6,8,9,11,12,12])
plt.plot(x,y,marker ="h",linestyle=":")
plt.xlabel('X-Axis')
plt.ylabel('Y-Axis')
plt.title('Line Graph')
plt.show()
```



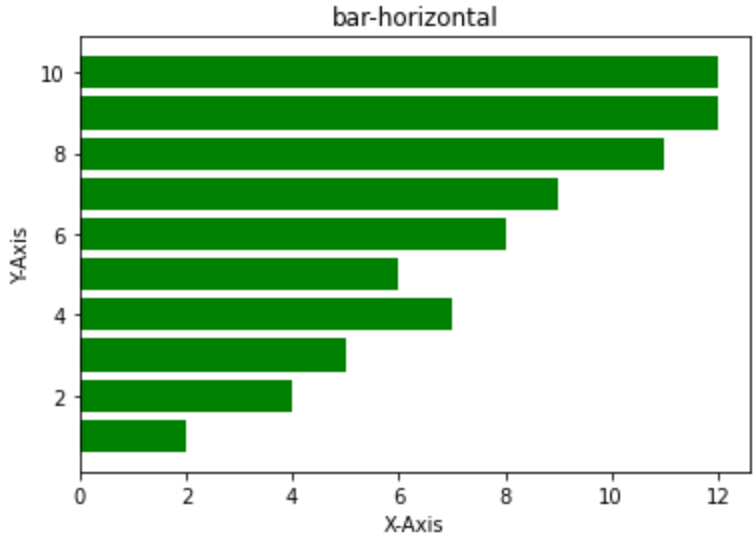
bar

In [17]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([1,2,3,4,5,6,7,8,9,10])
y = np.array([2,4,5,7,6,8,9,11,12,12])
plt.bar(x,y)
plt.xlabel('X-Axis')
plt.ylabel('Y-Axis')
plt.title('Bar')
plt.show()
```



bar-horizontal

In [16]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([1,2,3,4,5,6,7,8,9,10])
y = np.array([2,4,5,7,6,8,9,11,12,12])
plt.barh(x,y,color = 'green')
plt.xlabel('X-Axis')
plt.ylabel('Y-Axis')
plt.title('bar-horizontal')
plt.show()
```



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