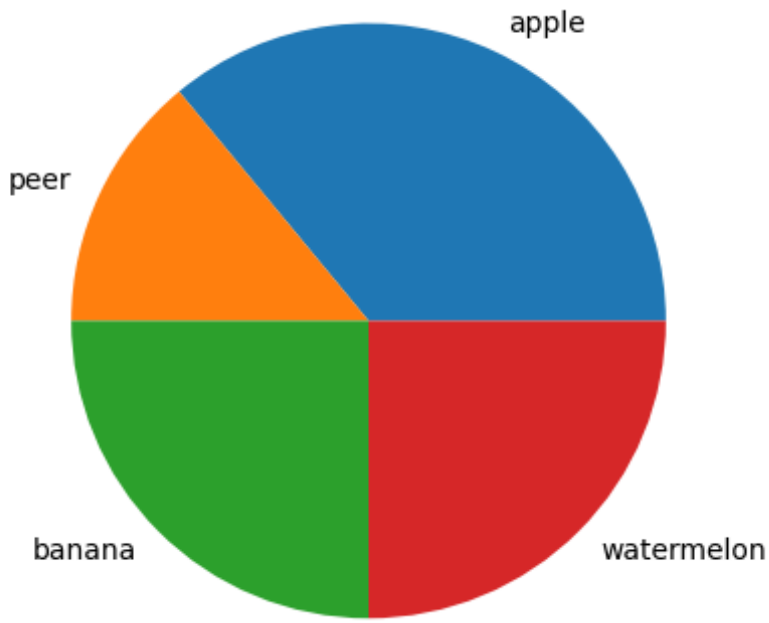
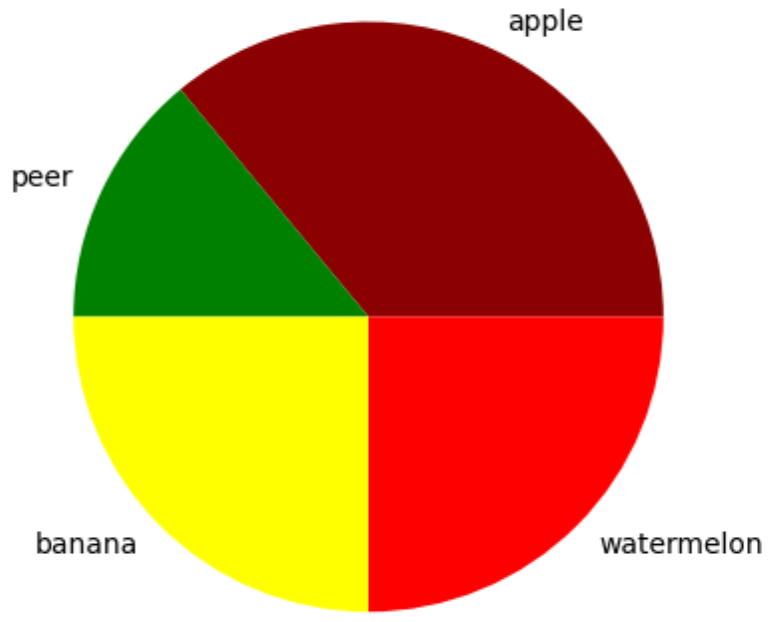
pie() function is use to create pie plot

```
import numpy as np
Import matplotlib.pyplot as pet
x = np.array([36, 14, 25, 25])
plt.pie(x)
plt.show()
```

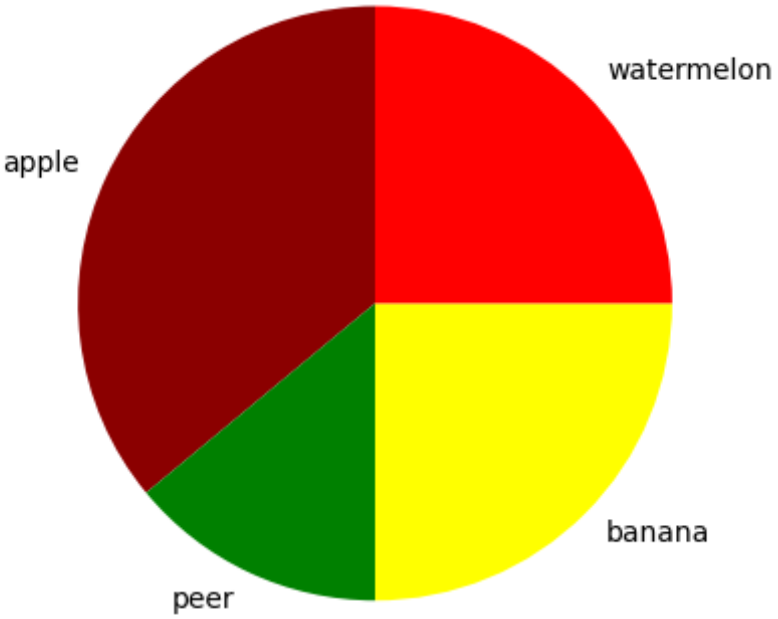
```
#labels of specific piece by labels parameter.
#we can also use legend() fuction to labeling data.
fruits = np.array(['apple', 'peer', 'banana', 'watermelon'])
plt.pie(x, labels=fruits)
plt.show()
```



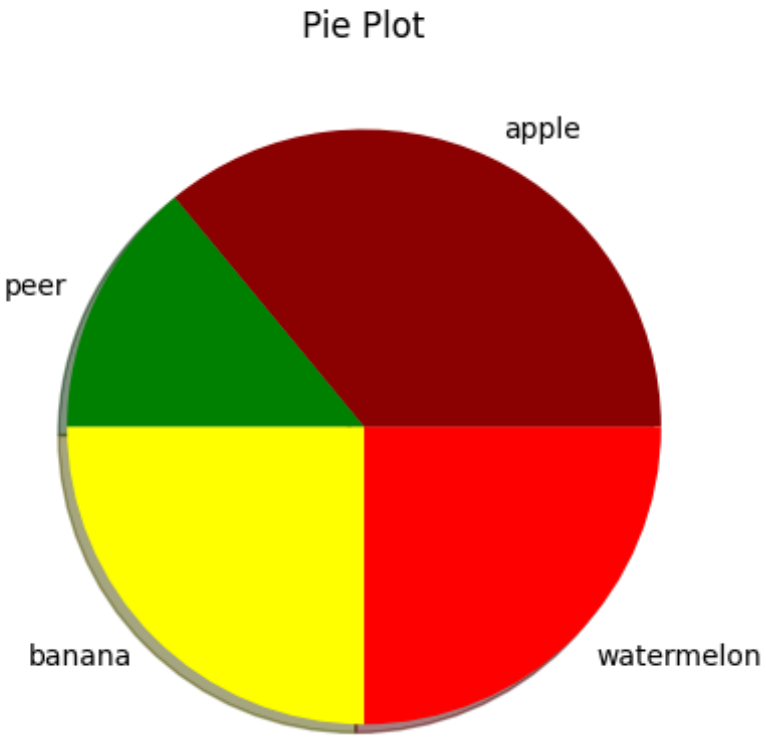

```
#explode parameter is used to pull the piece of pie from the
center, use to heighlight the specific information
keys = np.array([0.3, 0, 0, 0])
plt.pie(x, labels=fruits, colors=fruitsColor, explode=keys)
plt.show()
```



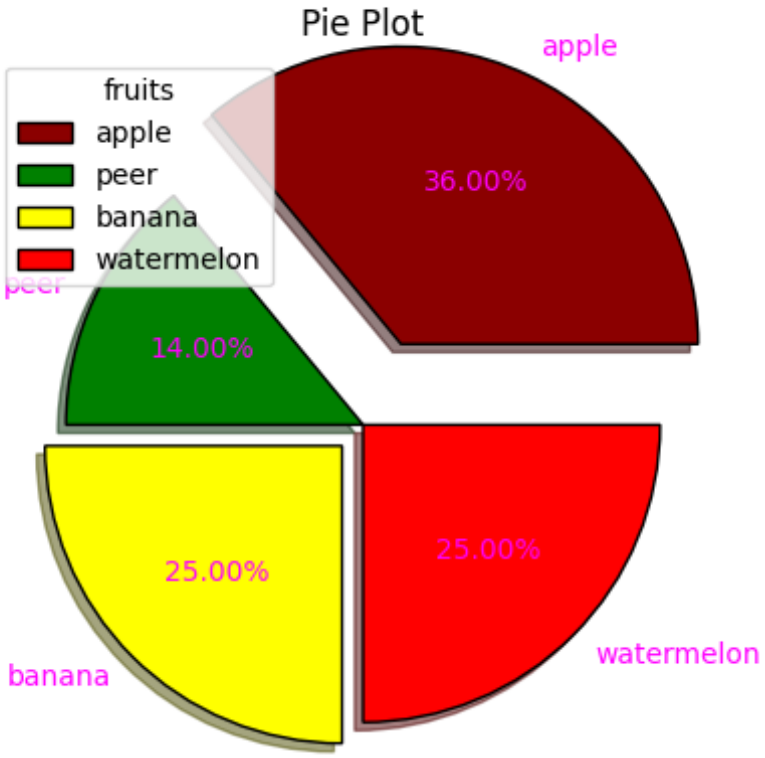
```
#in pie plot plotting is start in anticlockwise from angle
0degree to 360degree(by deafault startangle=0).
#starting from 90 degree.
plt.pie(x, labels=fruits, colors=fruitsColor, startangle=90)
#starting from 90 degree.
plt.show()
```




```
#add shadow
plt.pie(x, labels=fruits, colors=fruitsColor, shadow=True)
plt.title('Pie Plot')
plt.show()
```




```
#autpct parameter(optional) is used for doing formating string.
#wedgeprops parameter(optional) is use for customizing wedge
properties.
#textprops parameter(optional) is use for customizing
properties of texts.
plt.pie(x, labels=fruits, colors=fruitsColor, shadow=True,
explode=[0.3, 0.0, 0.1, 0.0], autopct='%1.2f%%',
wedgeprops={'linewidth' :1, 'edgecolor':'black'},
textprops={'color':'magenta'})
plt.title('Pie Plot')
plt.legend(title='fruits', loc='upper left')
#here setp() function is use to make text bolder and larger.
plt.setp(autotexts, weight='bold', size=8)
plt.show()
```


Pie Plot
fruits
apple
peer
banana
watermelon
apple
36.00%
peer
14.00%
25.00%
banana
25.00%
watermelon