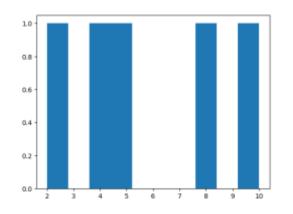
PRACTICAL 11

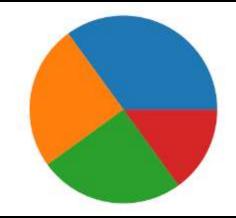
HISTOGRAM USING MATPLOTLIB

```
# importing matplotlib module
from matplotlib import pyplot as plt
# Y-axis values
y = [10, 5, 8, 4, 2]
# Function to plot histogram
plt.hist(y)
# Function to show the plot
plt.show()
```

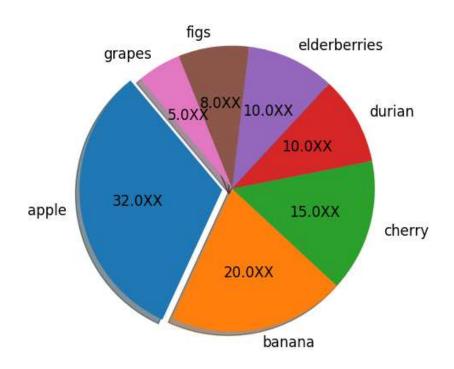


#PIE CHARTS

import matplotlib.pyplot as plt import numpy as np y = np.array([35, 25, 25, 15]) plt.pie(y) plt.show()



#PIE CHART WITH LABEL import matplotlib.pyplot as plt



PRACTICAL 11

#ADDING GRID LINES TO PLOT

import matplotlib.pyplot as plt

x = np.array([80, 85, 90, 95, 100, 105, 110, 115, 120, 125])

y = np.array([240, 250, 260, 270, 280, 290, 300, 310, 320, 330])

plt.title("Sports Watch Data")

plt.xlabel("Average Pulse")

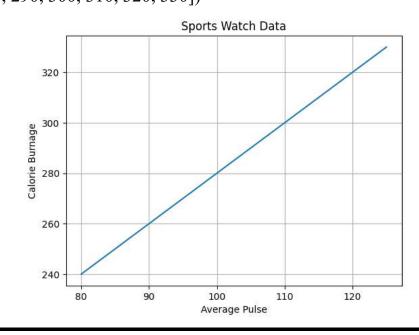
plt.ylabel("Calorie Burnage")

plt.plot(x, y)

plt.grid()

plt.show()

import numpy as np



#STAIRS VALUE

import matplotlib.pyplot as plt
import numpy as np
plt.style.use('_mpl-gallery')
make data
y = [4.8, 5.5, 3.5, 4.6, 6.5, 6.6, 2.6, 3.0]
plot
fig, ax = plt.subplots()
ax. stairs(y, linewidth=2.5)
ax.set(xlim=(0, 8), xticks=np.arange(1, 8),
 ylim=(0, 8), yticks=np.arange(1, 8))
plt.show()

