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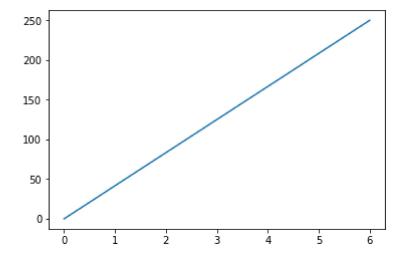
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LABSHEET - 13(2D and 3D Data Visualization using Matplotlib and Seaborn)

Question 1: Plot all 2D and 3D using Matplotlib and Seaborn.

Plot 2D line,bar,histogram and box plot using Matplotlib.

histogram and box plot using Seaborn.



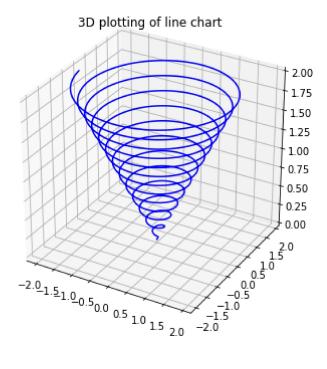
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In [2]: | import matplotlib.pyplot as pyplot
import numpy as np
from mpl_toolkits import mplot3d

fig = pyplot.figure(figsize = (6, 6))
ax = pyplot.axes(projection = '3d')

#Mentioning all the three different axes.
z = np.linspace(0, 2, 1000)
x = z * np.sin(40 * z)
y = z * np.cos(40 * z)

ax.plot3D(x, y, z, 'blue')
ax.set_title('3D plotting of line chart')

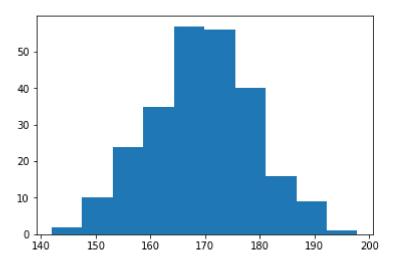
# Print the chart
pyplot.show()
```

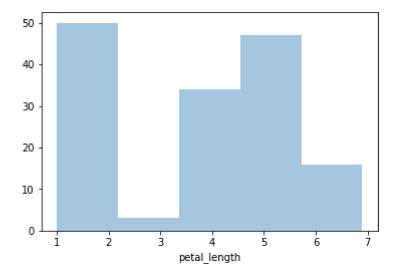


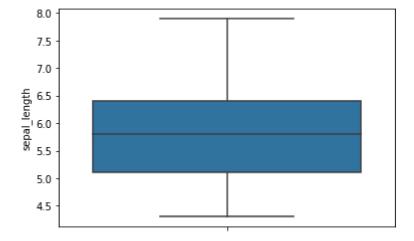
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In [3]:  import matplotlib.pyplot as plt
import numpy as np

x = np.random.normal(170, 10, 250)

plt.hist(x)
plt.show()
```







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In [ ]: ▶
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