36.Write a Python program to draw a scatter plot for three different groups

comparing weights and heights.

Program:

**import matplotlib.pyplot as plt**

**import numpy as np**

**weight1=[67,57.2,59.6,59.64,55.8,61.2,60.45,61,56.23,56]**

**height1=[101.7,197.6,98.3,125.1,113.7,157.7,136,148.9,125.3,114.9]**

**weight2=[61.9,64,62.1,64.2,62.3,65.4,62.4,61.4,62.5,63.6]**

**height2=[152.8,155.3,135.1,125.2,151.3,135,182.2,195.9,165.1,125.1]**

**weight3=[68.2,67.2,68.4,68.7,71,71.3,70.8,70,71.1,71.7]**

**height3=[165.8,170.9,192.8,135.4,161.4,136.1,167.1,235.1,181.1,177.3]**

**weight=np.concatenate((weight1,weight2,weight3))**

**height=np.concatenate((height1,height2,height3))**

**plt.scatter(weight, height, marker='\*', color=['blue'])**

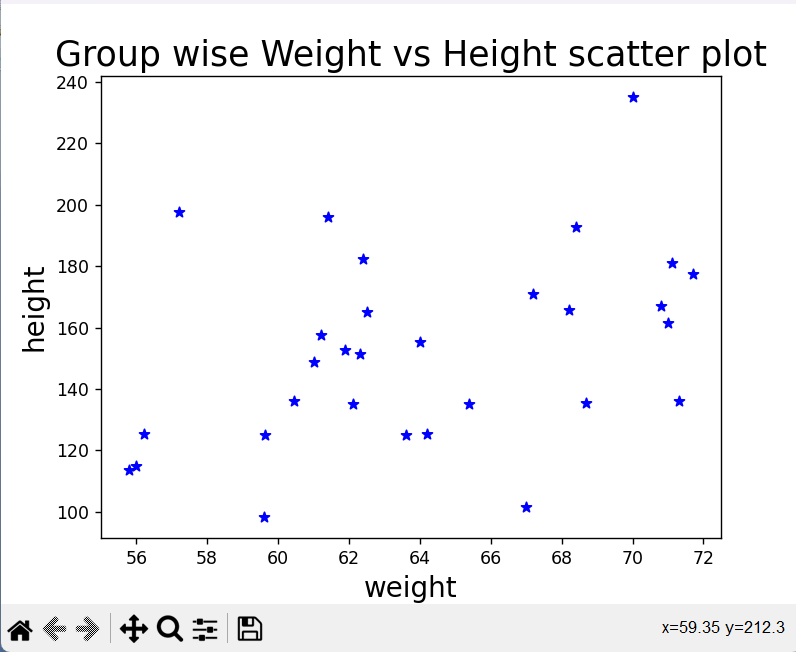
**plt.xlabel('weight', fontsize=16)**

**plt.ylabel('height', fontsize=16)**

**plt.title('Group wise Weight vs Height scatter plot',fontsize=20)**

**plt.show()**

**Output:**

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