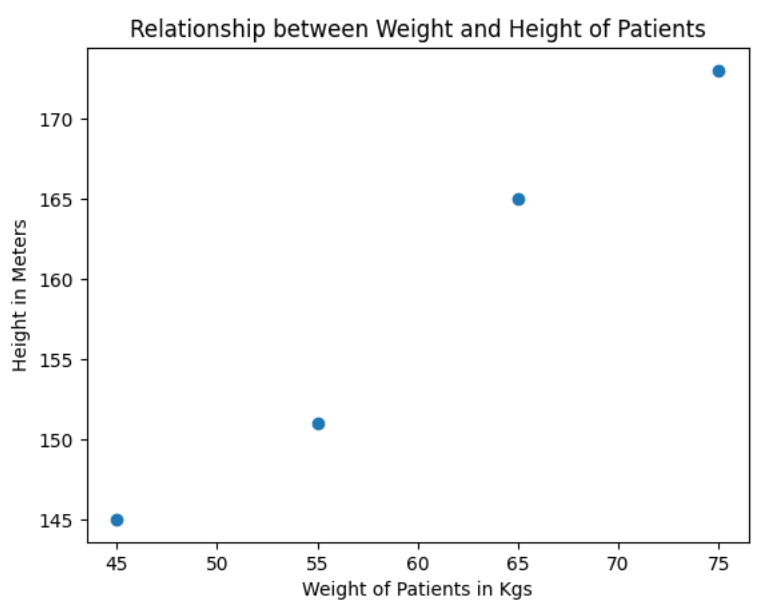
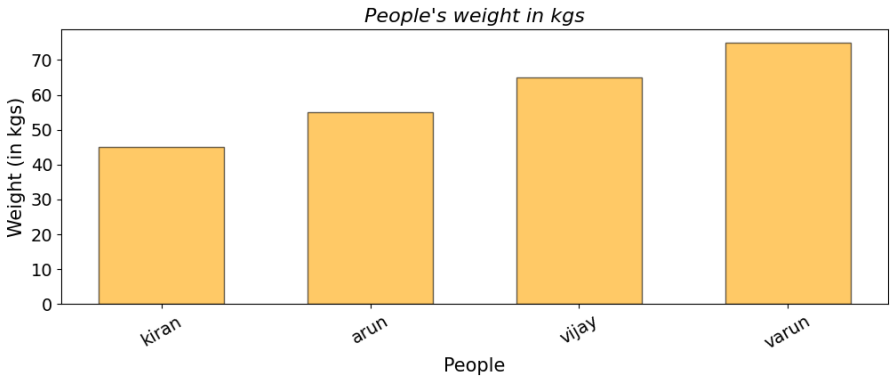
```
import matplotlib.pyplot as plt
people = ['kiran', 'arun', 'vijay', 'varun']
age =[25, 30, 35, 40, 45]
height =[145, 151, 165, 173]
weight=[45, 55, 65, 75]
plt.scatter(weight, height)
plt.title("Relationship between Weight and Height of Patients")
plt.ylabel("Height in Meters")
plt.xlabel("Weight of Patients in Kgs")
plt.show()
```




```
plt.figure(figsize=(12,4))
plt.title("People's weight in kgs",fontsize=16,
          fontstyle='italic')

plt.bar(x=people,height=weight, width=0.6,
        color='orange',edgecolor='k',alpha=0.6)

plt.xlabel("People",fontsize=15)
plt.xticks(fontsize=14,rotation=30)
plt.yticks(fontsize=14)
plt.ylabel("Weight (in kgs)",fontsize=15)
plt.show()
```




```
import numpy as np
```

```
plt.figure(figsize=(7,5))

# Main plot function 'hist'
plt.hist(weight,color='red',edgecolor='k', alpha=0.75,bins=5)

plt.title("Histogram of patient weight",fontsize=18)
plt.xlabel("Weight in kgs",fontsize=15)
plt.xticks(fontsize=15)
plt.yticks(fontsize=15)
plt.show()
```