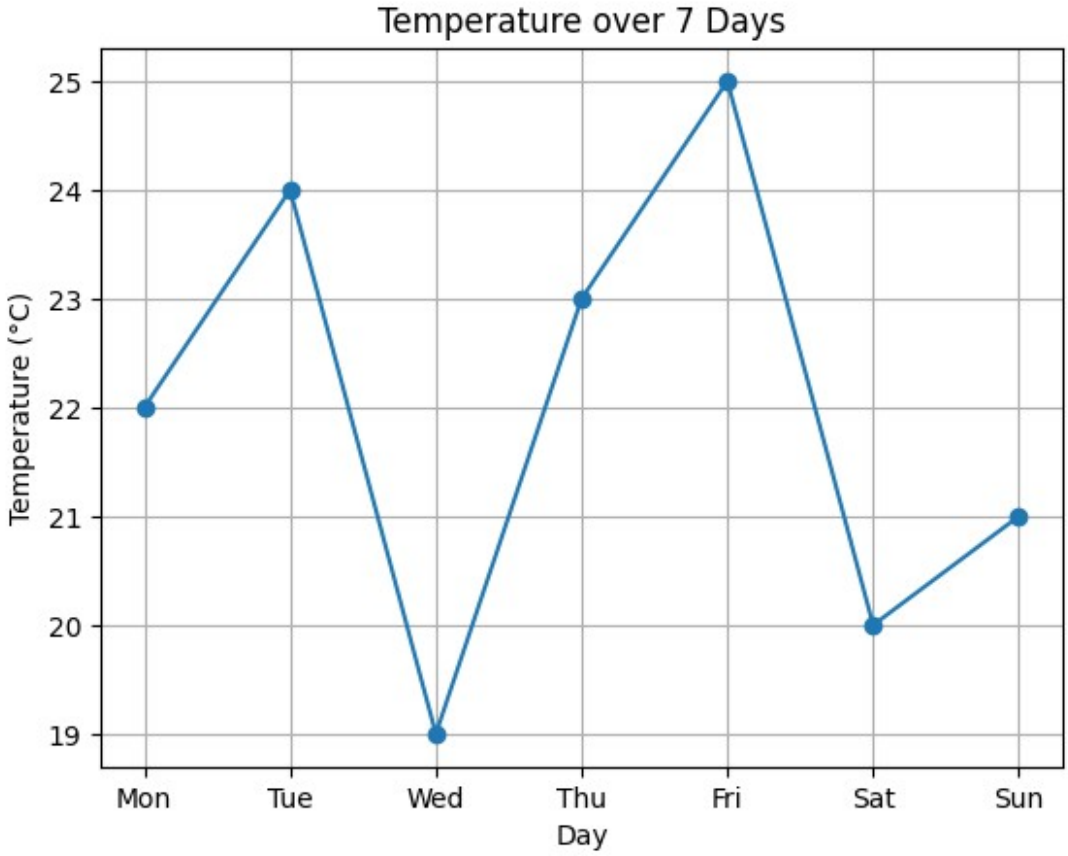
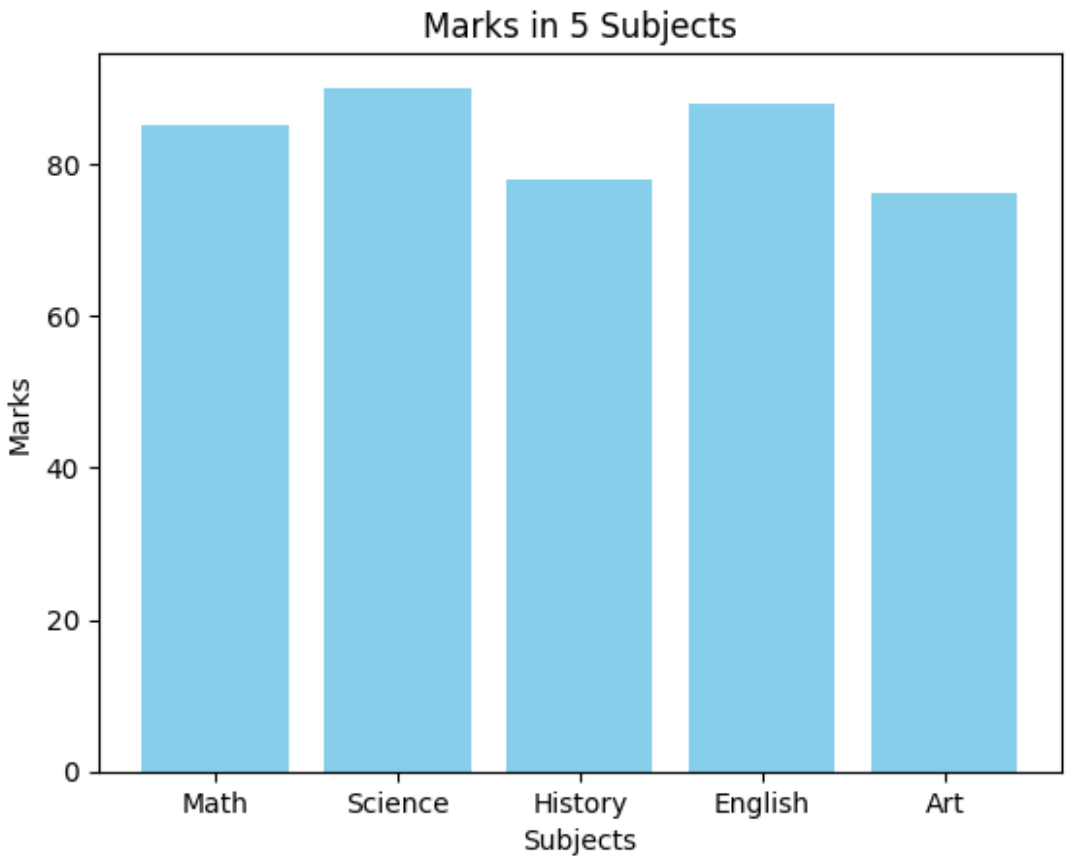
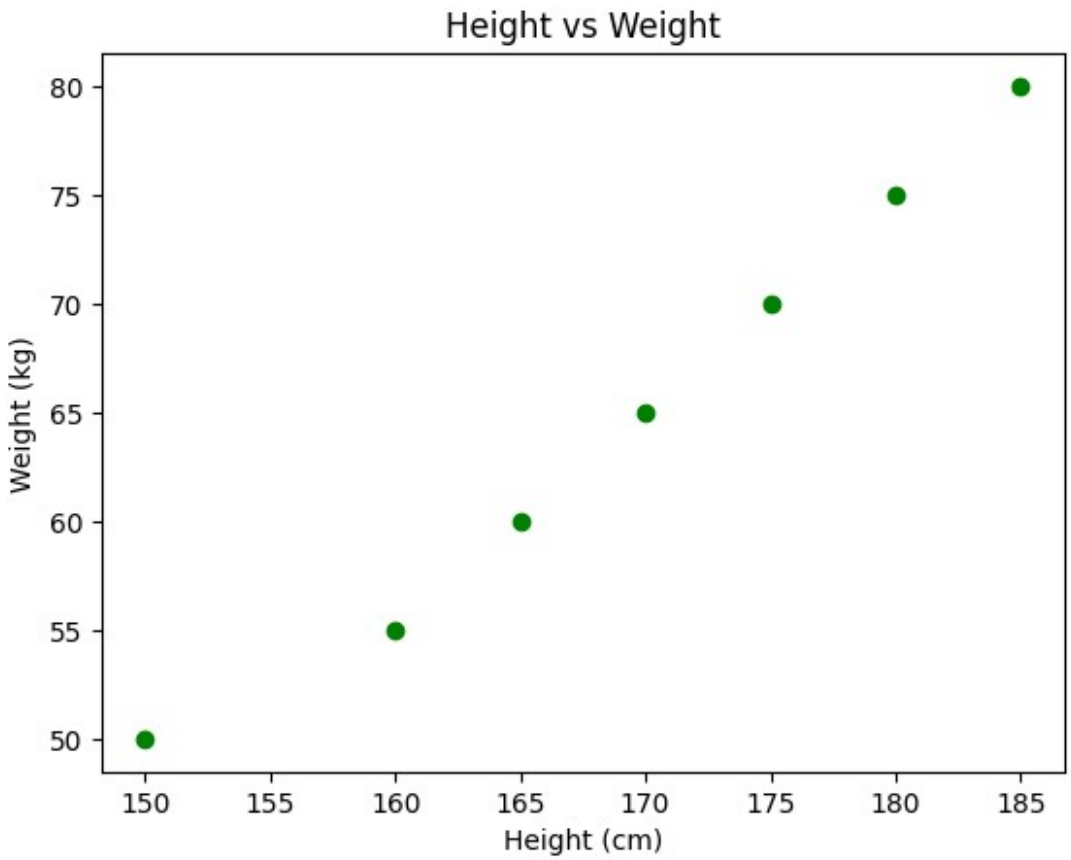
```python
import matplotlib.pyplot as plt

days = ['Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat', 'Sun']
temperature = [22, 24, 19, 23, 25, 20, 21]

plt.plot(days, temperature, marker='o')
plt.title('Temperature over 7 Days')
plt.xlabel('Day')
plt.ylabel('Temperature (°C)')
plt.grid(True)
plt.show()
```




```python
subjects = ['Math', 'Science', 'History', 'English', 'Art']
marks = [85, 90, 78, 88, 76]

plt.bar(subjects, marks, color='skyblue')
plt.title('Marks in 5 Subjects')
plt.xlabel('Subjects')
plt.ylabel('Marks')
plt.show()
```




```
height = [150, 160, 165, 170, 175, 180, 185]
weight = [50, 55, 60, 65, 70, 75, 80]

plt.scatter(height, weight, color='green')
plt.title('Height vs Weight')
plt.xlabel('Height (cm)')
plt.ylabel('Weight (kg)')
plt.show()
```




```
import numpy as np

ages = np.random.randint(1, 100, 100)  # Random ages between 1 and 100

plt.hist(ages, bins=10, color='pink', edgecolor='black')
plt.title('Histogram of Ages')
plt.xlabel('Age')
plt.ylabel('Number of People')
plt.show()
```


```
activities = ['Sleep', 'Study', 'Entertainment', 'Exercise', 'Others']
hours = [8, 6, 4, 2, 4]

plt.pie(hours, labels=activities, autopct='%1.1f%%', startangle=140)
plt.title('Daily Activities')
plt.show()
```


Daily Activities
Others
Exercise
16.7%
8.3%
Entertainment
16.7%
33.3%
Sleep
25.0%
Study