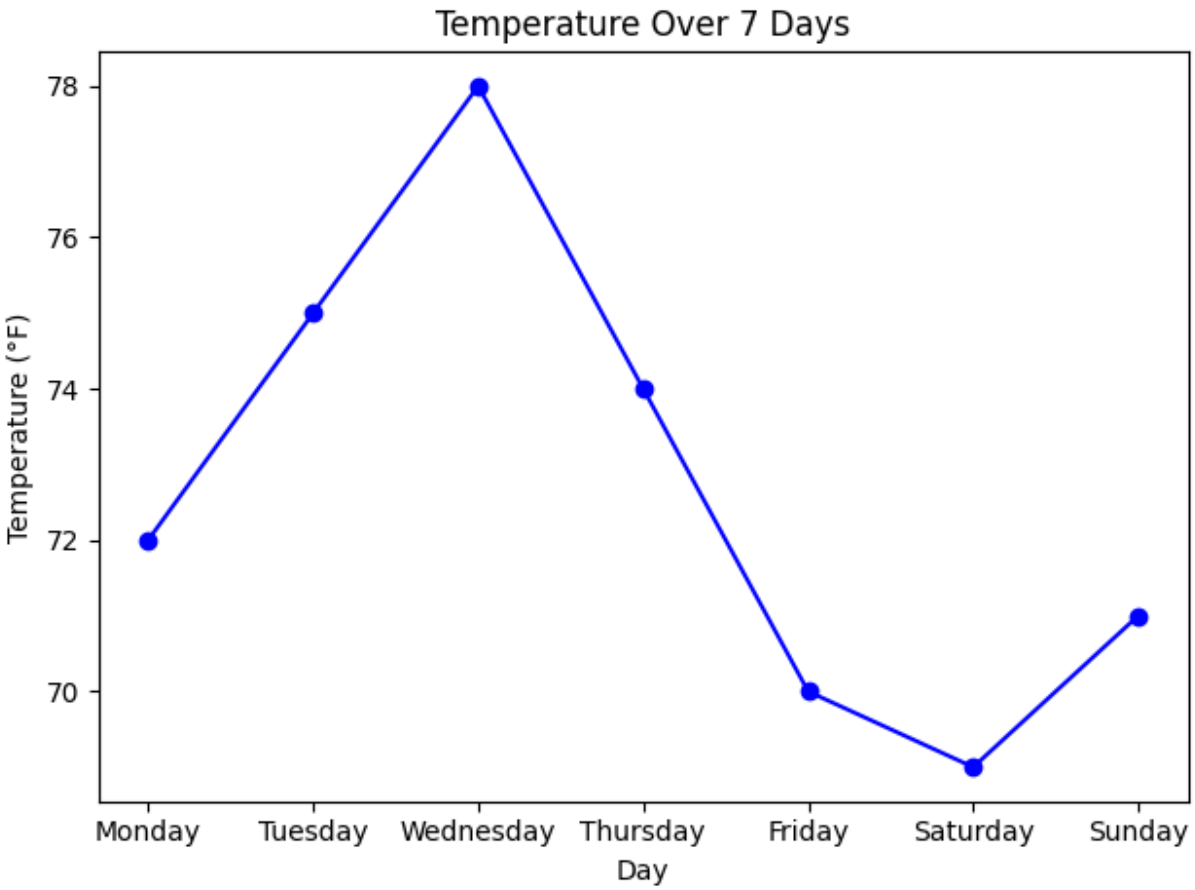
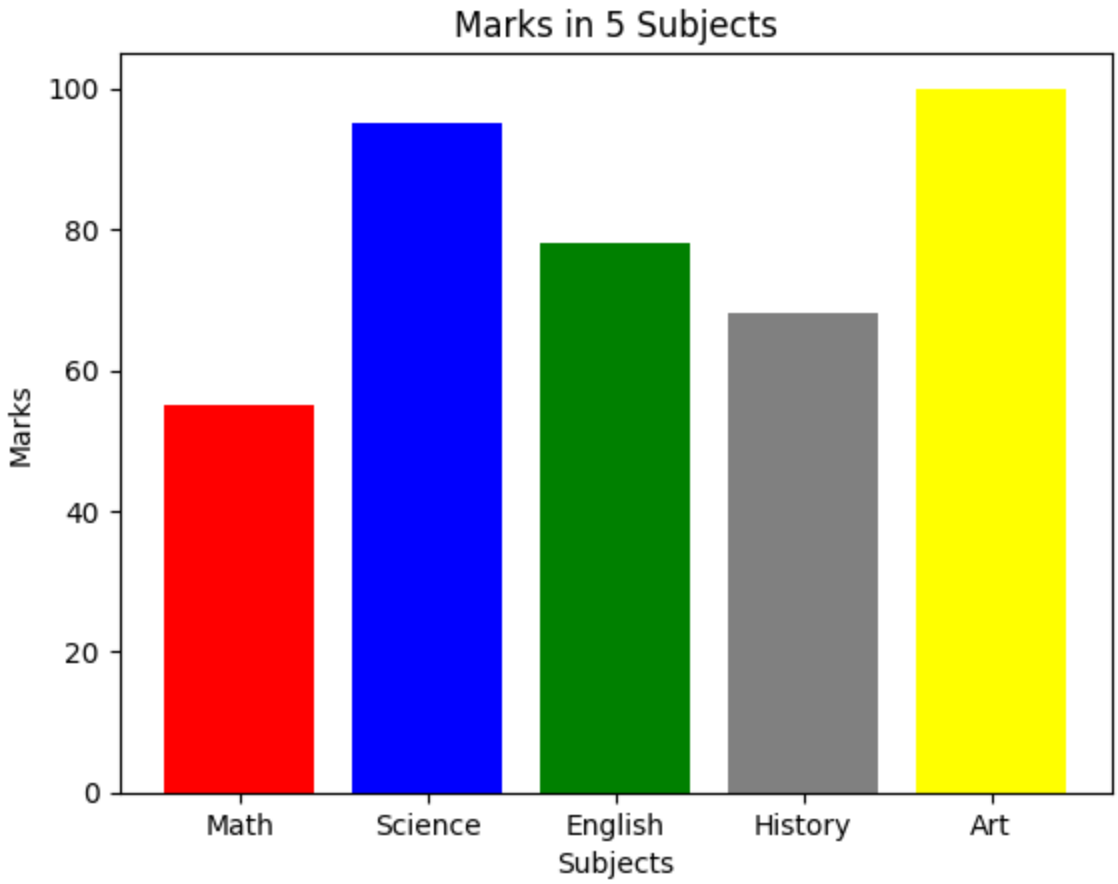
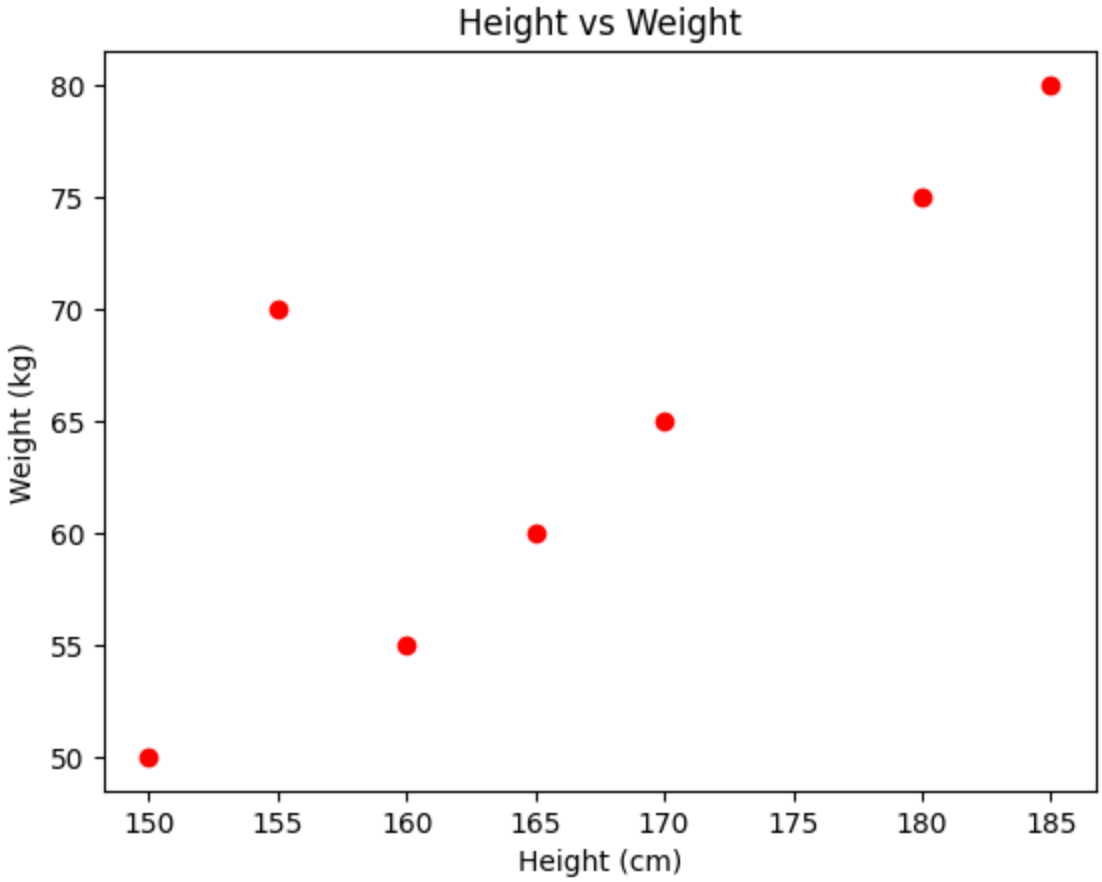
In [4]:
```
import matplotlib.pyplot as plt
days = ['Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday
temperatures = [72, 75, 78, 74, 70, 69, 71]

plt.plot(days, temperatures, marker='o',  color='blue')
plt.title('Temperature Over 7 Days')
plt.xlabel('Day')
plt.ylabel('Temperature (°F)')
plt.tight_layout()

plt.show()
```



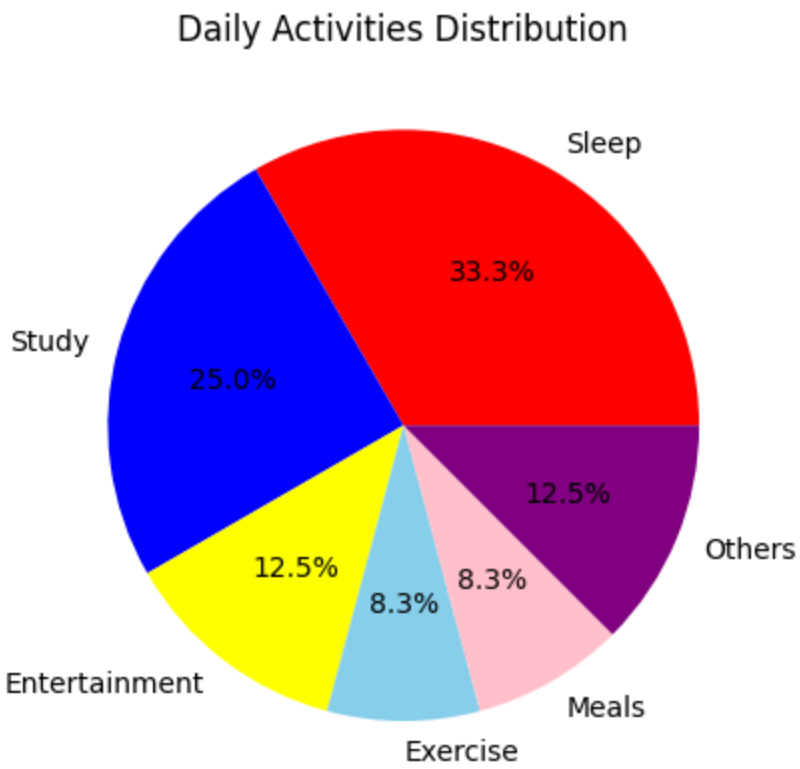
In [11]:
```
import matplotlib.pyplot as plt
subjects = ['Math', 'Science', 'English', 'History', 'Art']
marks = [55, 95, 78, 68, 100]
colors=("red","blue","green","grey","yellow")
plt.bar(subjects, marks, color=colors)

plt.title('Marks in 5 Subjects')
plt.xlabel('Subjects')
plt.ylabel('Marks')

plt.show()
```



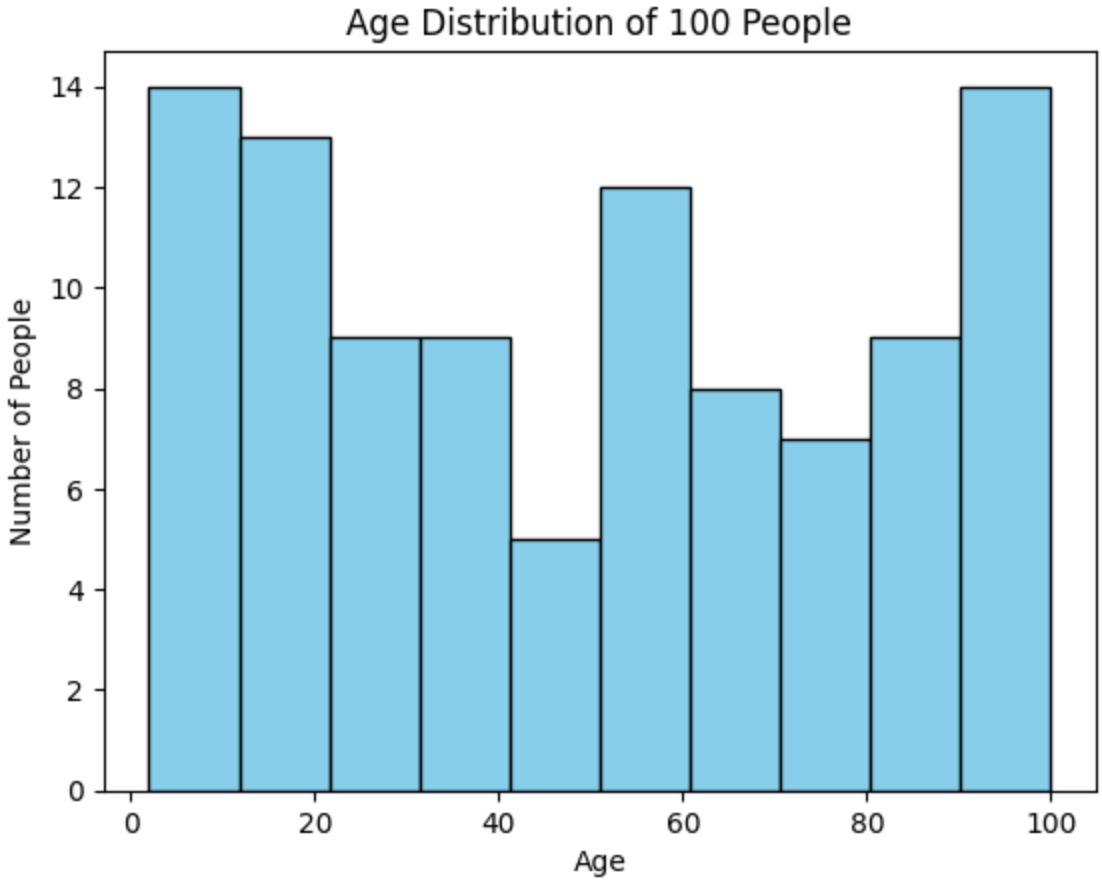
In [21]:
```
import matplotlib.pyplot as plt

height = [150, 160, 165, 170, 155, 180, 185]
weight = [50, 55, 60, 65, 70, 75, 80]
colors=("red","blue","green","grey","yellow")
plt.scatter(height, weight,color="red")

plt.title('Height vs Weight')
plt.xlabel('Height (cm)')
plt.ylabel('Weight (kg)')
plt.show()
```



In [27]:
```
import matplotlib.pyplot as plt
activities = ['Sleep', 'Study', 'Entertainment', 'Exercise', 'Meals', 'Others']
hours = [8, 6, 3, 2, 2, 3]
color=("red","blue","yellow","skyblue","pink","purple")
plt.pie(hours, labels=activities, autopct='%1.1f%%',  colors=color)
plt.title('Daily Activities Distribution')
plt.show()
```



In [32]:
```
import matplotlib.pyplot as plt
import numpy as np
ages = np.random.randint(1, 101, size=100)
plt.hist(ages, color='skyblue', edgecolor='black')
plt.title('Age Distribution of 100 People')
plt.xlabel('Age')
plt.ylabel('Number of People')
plt.show()
```


Age Distribution of 100 People
Number of People
Age
0
2
4
6
8
10
12
14
0
20
40
60
80
100

In [ ]:

In [ ]: