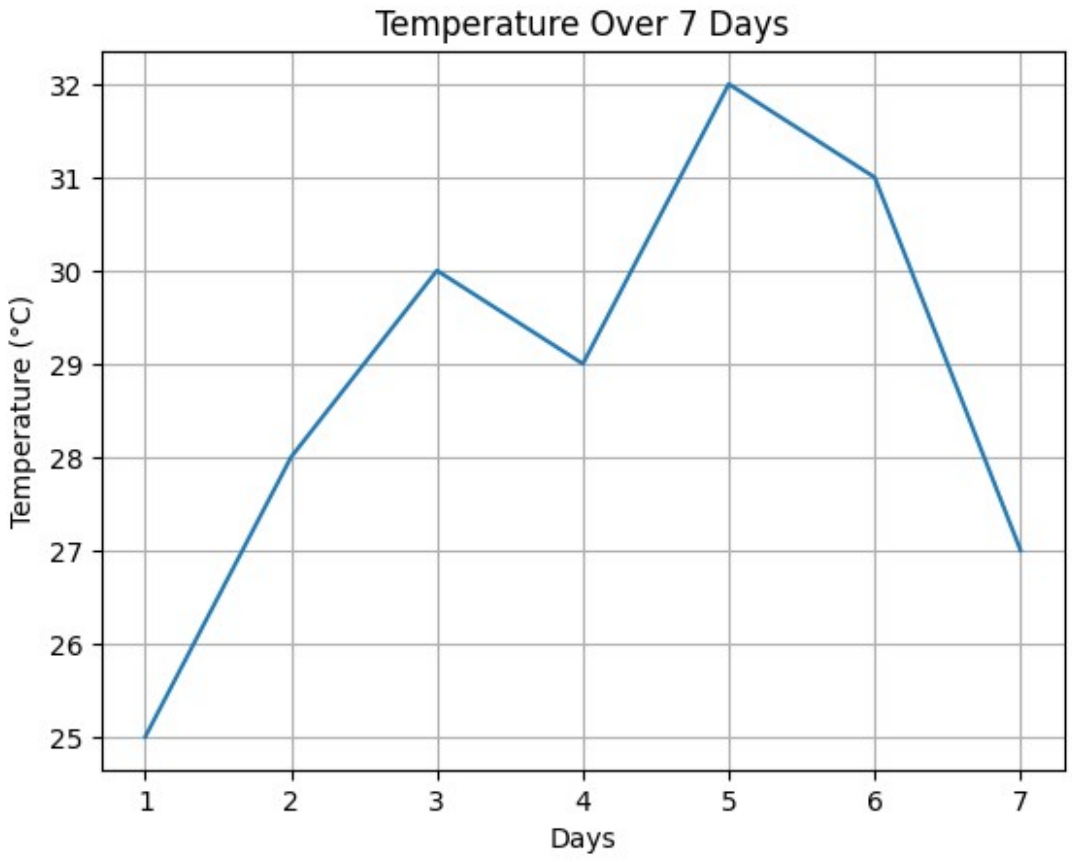
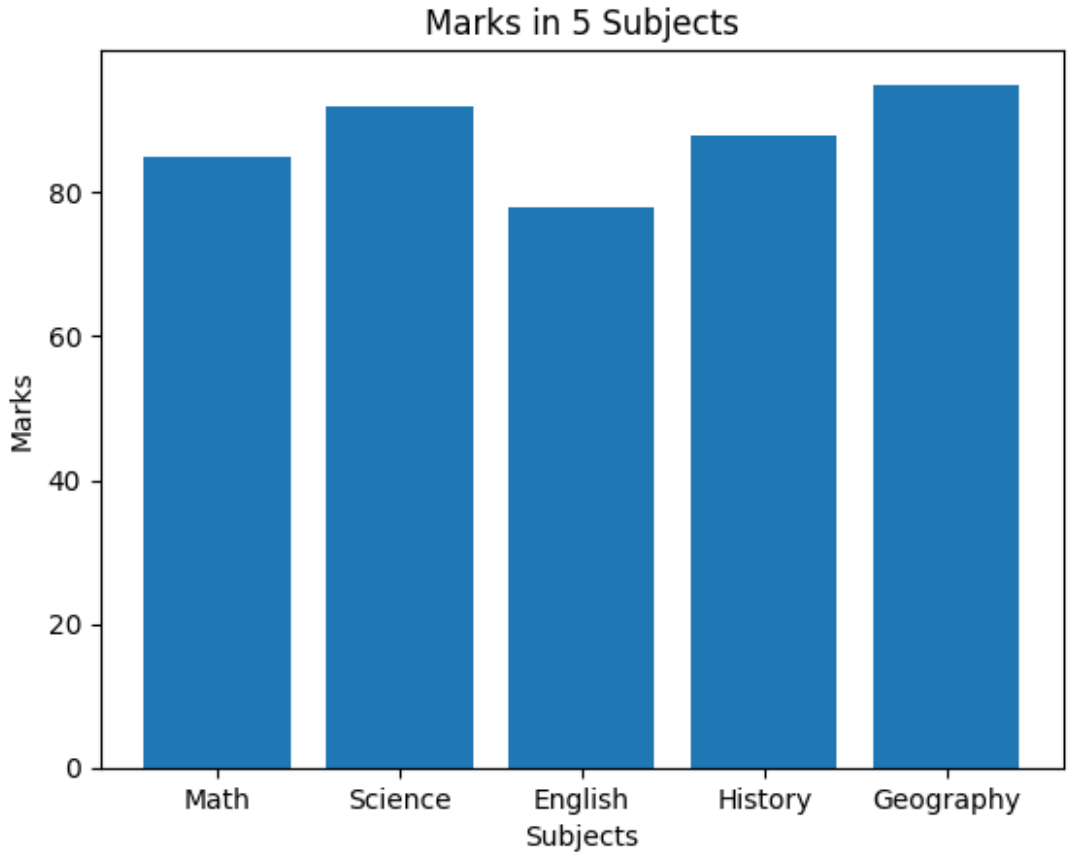
1.Plot a line graph of temperature over 7 days.

```
import matplotlib.pyplot as plt

# Sample temperature data for 7 days
days = [1, 2, 3, 4, 5, 6, 7]
temperatures = [25, 28, 30, 29, 32, 31, 27]

# Create the line plot
plt.plot(days, temperatures)

# Customize the plot
plt.xlabel("Days")
plt.ylabel("Temperature (°C)")
plt.title("Temperature Over 7 Days")
plt.grid(True)

# Display the plot
plt.show()
```



2.Create a bar chart showing marks in 5 subjects.

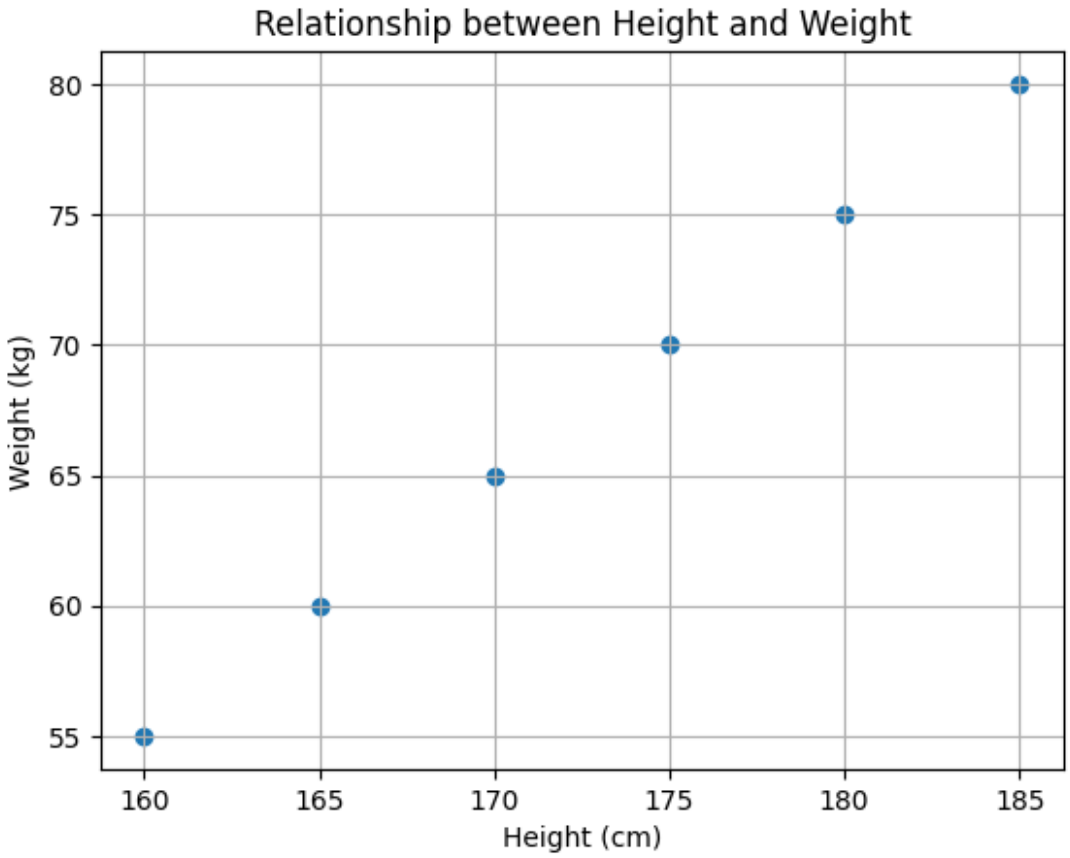
```python
import matplotlib.pyplot as plt

# Sample data for subjects and marks
subjects = ["Math", "Science", "English", "History", "Geography"]
marks = [85, 92, 78, 88, 95]

# Create the bar chart
plt.bar(subjects, marks)

# Customize the chart
plt.xlabel("Subjects")
plt.ylabel("Marks")
plt.title("Marks in 5 Subjects")

# Display the chart
plt.show()
```



3.Use scatter plot to show relationship between height and weight.

```python
import matplotlib.pyplot as plt

# Sample data for height and weight
height = [160, 165, 170, 175, 180, 185]  # in cm
```

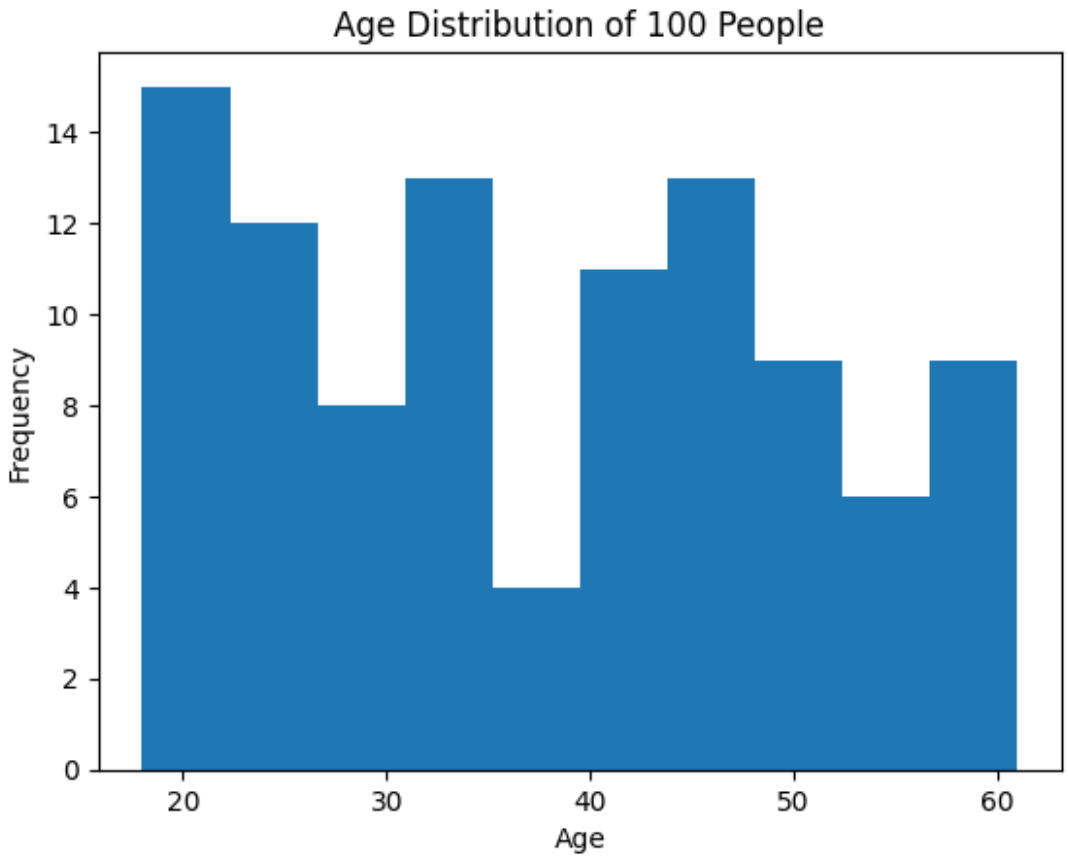
```
weight = [55, 60, 65, 70, 75, 80]  # in kg

# Create the scatter plot
plt.scatter(height, weight)

# Customize the plot
plt.xlabel("Height (cm)")
plt.ylabel("Weight (kg)")
plt.title("Relationship between Height and Weight")
plt.grid(True)

# Display the plot
plt.show()
```



4.Create a histogram for ages of 100 people

```
import matplotlib.pyplot as plt
import numpy as np

# Generate random ages for 100 people (replace with your data)
ages = np.random.randint(18, 65, 100)

# Create the histogram
```

```
plt.hist(ages, bins=10)  # Adjust 'bins' for desired bin size

# Customize the histogram
plt.xlabel("Age")
plt.ylabel("Frequency")
plt.title("Age Distribution of 100 People")

# Display the histogram
plt.show()
```



5.Make a pie chart of daily activities (sleep, study, entertainment, etc.).

```
import matplotlib.pyplot as plt

# Sample data for daily activities and time spent (in hours)
activities = ["Sleep", "Study", "Entertainment", "Work", "Other"]
time_spent = [8, 6, 3, 5, 2]

# Create the pie chart
plt.pie(time_spent, labels=activities, autopct="%1.1f%%")

# Customize the chart
plt.title("Daily Activities")
```

```
# Display the chart
plt.show()
```