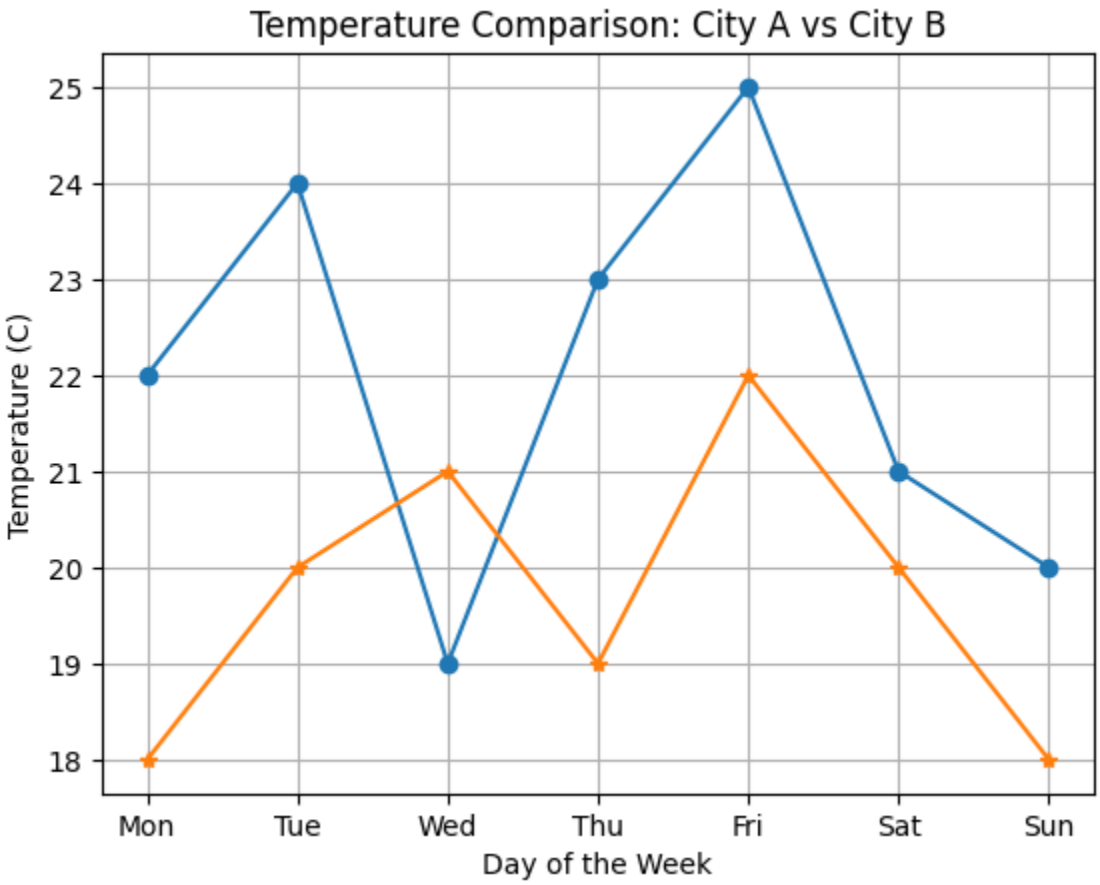
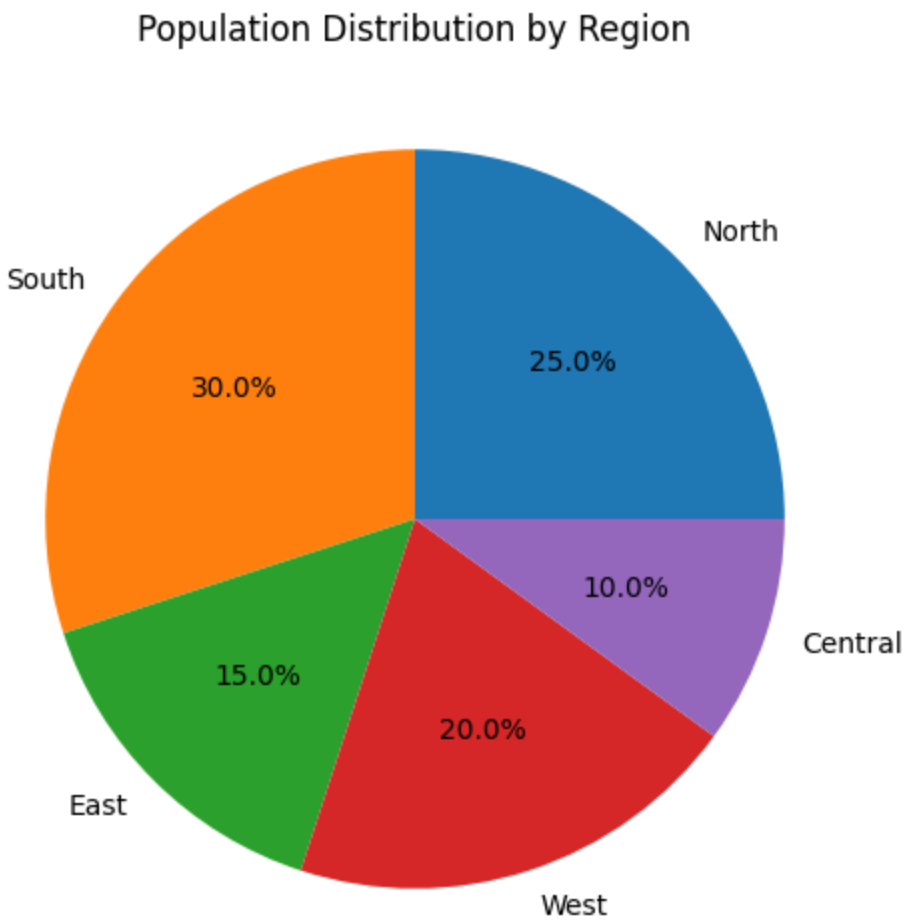
In [26]:
```
import matplotlib.pyplot as plt
days = ['Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat', 'Sun']
city1_temps = [22, 24, 19, 23, 25, 21, 20]
city2_temps = [18, 20, 21, 19, 22, 20, 18]
plt.plot(days, city1_temps, marker='o', label='City A')
plt.plot(days, city2_temps, marker='*', label='City B')
plt.title('Temperature Comparison: City A vs City B')
plt.xlabel('Day of the Week')
plt.ylabel('Temperature (C)')
plt.grid(True)
plt.show()
```

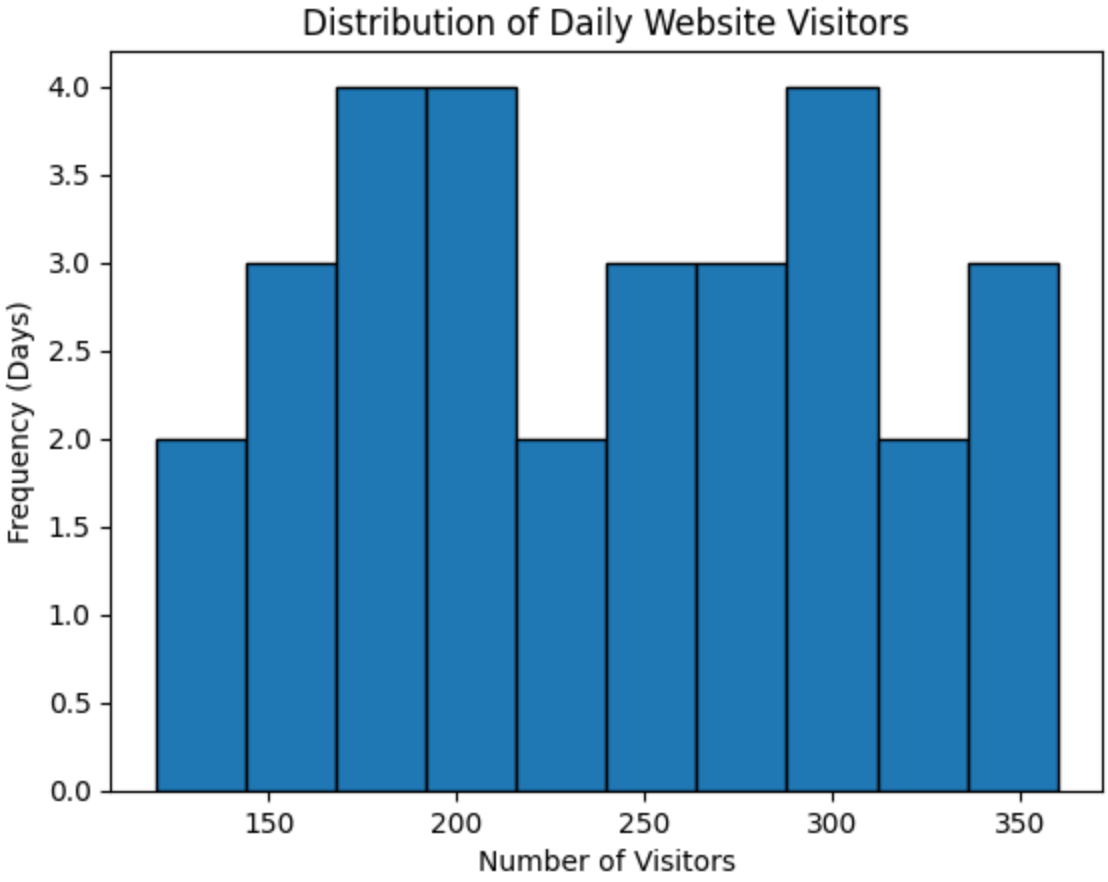


In [ ]:
```
```

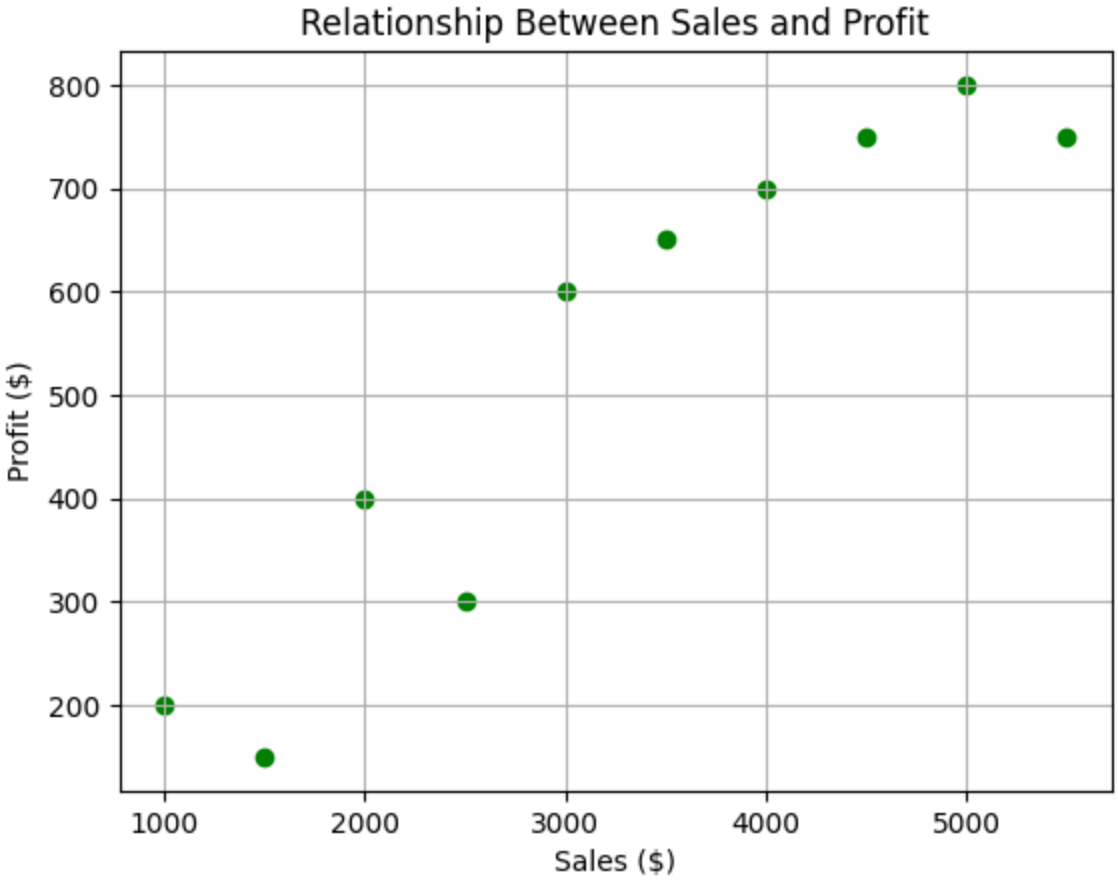
In [5]:
```
import matplotlib.pyplot as plt
regions = ['North', 'South', 'East', 'West', 'Central']
populations = [25, 30, 15, 20, 10]  # These could be in millions or percentages
plt.figure(figsize=(8, 6))
plt.pie(populations, labels=regions, autopct='%1.1f%%')
plt.title('Population Distribution by Region')
plt.show()
```



In [10]:
```
import matplotlib.pyplot as plt
daily_visitors = [
    120, 135, 150, 145, 160, 170, 180, 175, 190, 200,
    195, 210, 220, 215, 230, 240, 250, 260, 270, 265,
    280, 290, 300, 310, 305, 320, 330, 340, 350, 360
]
plt.hist(daily_visitors,edgecolor='black')
plt.title('Distribution of Daily Website Visitors')
plt.xlabel('Number of Visitors')
plt.ylabel('Frequency (Days)')
plt.show()
```



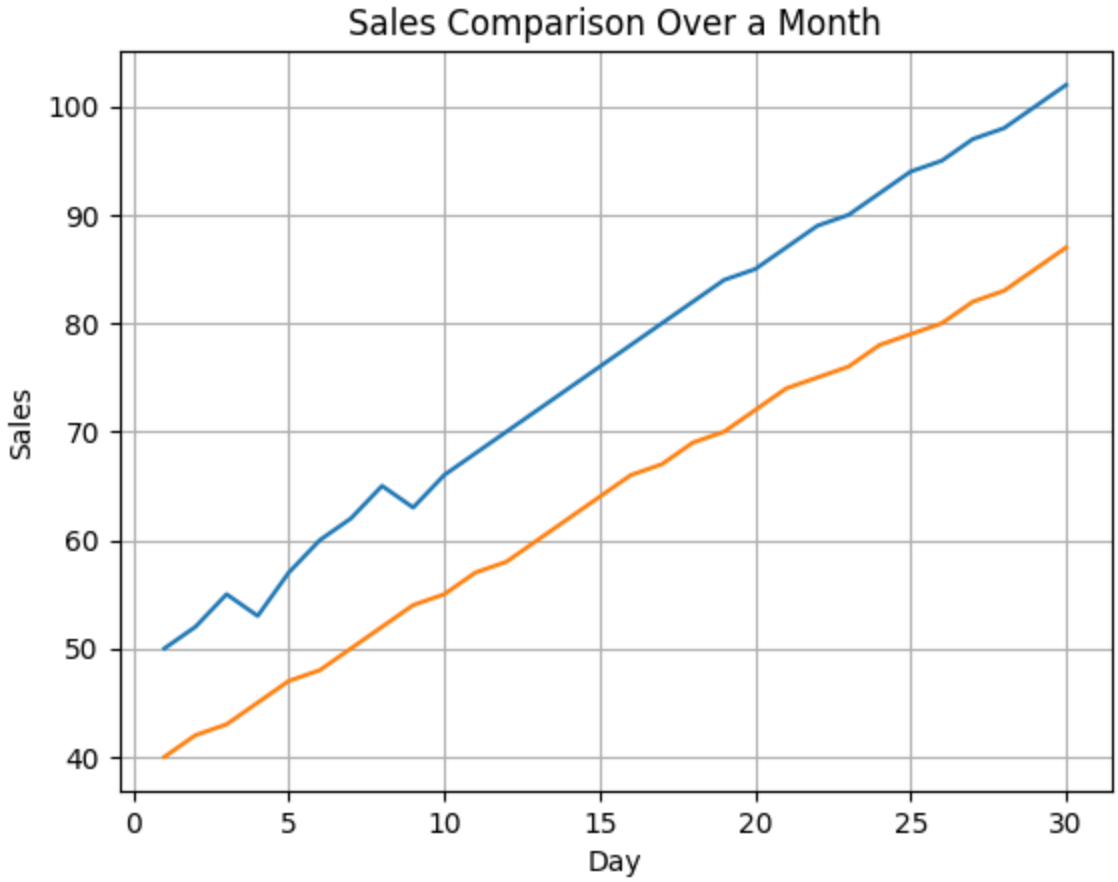
In [17]:
```
import matplotlib.pyplot as plt
sales = [1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500]
profit = [200, 150, 400, 300, 600, 650, 700, 750, 800, 750]
plt.scatter(sales, profit, color='green', marker='o')
plt.title('Relationship Between Sales and Profit')
plt.xlabel('Sales ($)')
plt.ylabel('Profit ($)')
plt.grid(True)
plt.show()
```



In [ ]:

In [24]:
```
import matplotlib.pyplot as plt
days = list(range(1, 31))
product_a = [50, 52, 55, 53, 57, 60, 62, 65, 63, 66,
             68, 70, 72, 74, 76, 78, 80, 82, 84, 85,
             87, 89, 90, 92, 94, 95, 97, 98, 100, 102]

product_b = [40, 42, 43, 45, 47, 48, 50, 52, 54, 55,
             57, 58, 60, 62, 64, 66, 67, 69, 70, 72,
             74, 75, 76, 78, 79, 80, 82, 83, 85, 87]
plt.plot(days, product_a, label='Product A')
plt.plot(days, product_b, label='Product B')
plt.xlabel('Day')
plt.ylabel('Sales')
plt.title('Sales Comparison Over a Month')
plt.grid(True)
plt.show()
```


Sales Comparison Over a Month
Sales
Day
100
90
80
70
60
50
40
0
5
10
15
20
25
30

In [ ]: