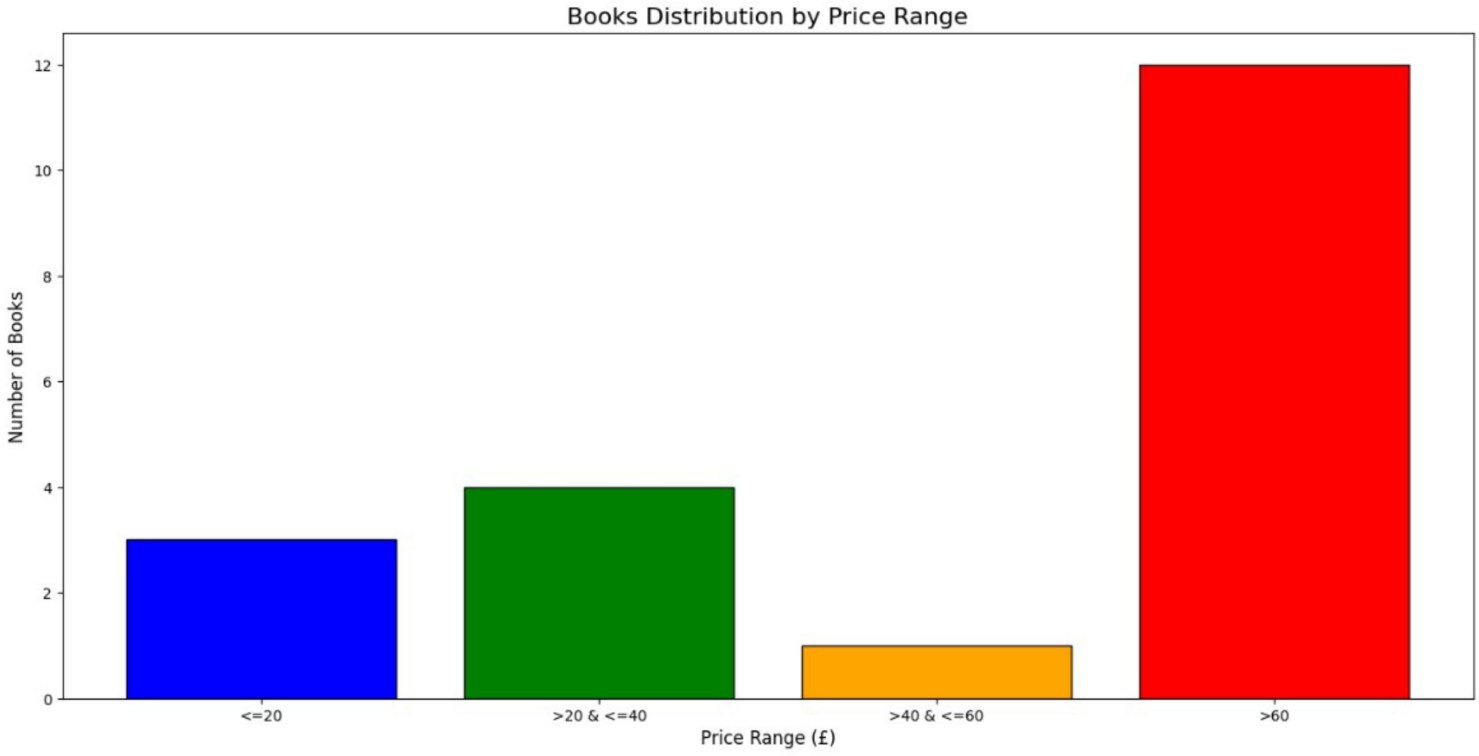
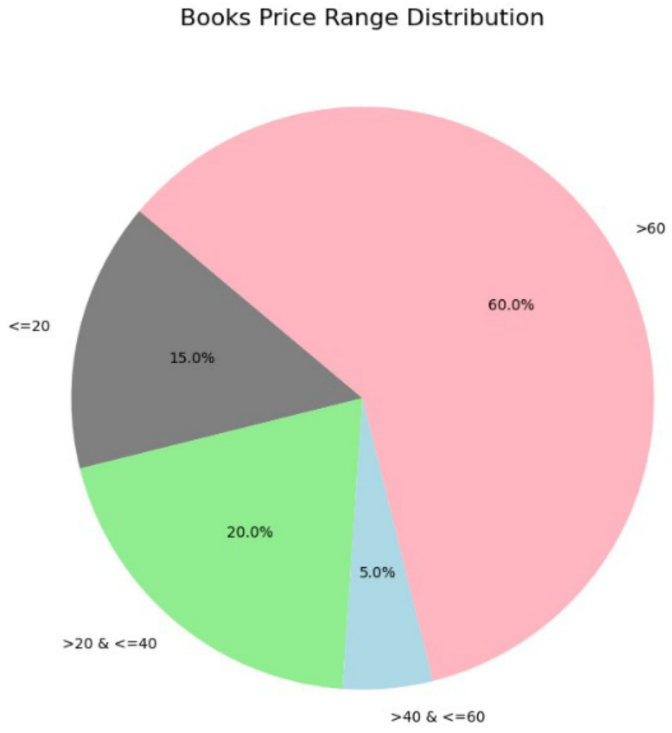
~\OneDrive\Documents\graphs.py

```
import pandas as pd
import matplotlib.pyplot as plt
df = pd.read_csv('books_data.csv')
df['Price'] = df['Price'].replace('£', '', regex=True).astype(float)
price_ranges = ['<=20', '>20 & <=40', '>40 & <=60', '>60']
counts = [0, 0, 0, 0]
for price in df['Price']:
    if price <= 20:
        counts[0] += 1
    elif 20 < price <= 25:
        counts[1] += 1
    elif 26 < price <= 35:
        counts[2] += 1
    else:
        counts[3] += 1
plt.figure(figsize=(6, 6))
plt.bar(price_ranges, counts, color=['blue', 'green', 'orange', 'red'], edgecolor='black')
plt.title('Books Distribution by Price Range', fontsize=16)
plt.xlabel('Price Range (£)', fontsize=12)
plt.ylabel('Number of Books', fontsize=12)
plt.xticks(fontsize=10)
plt.yticks(fontsize=10)
plt.tight_layout()
plt.show()
plt.figure(figsize=(7, 6))
plt.pie(counts, labels=price_ranges, autopct='%1.1f%%', startangle=140, colors=['grey',
'lightgreen', 'lightblue', 'lightpink'])
plt.title('Books Price Range Distribution', fontsize=16)
plt.tight_layout()
plt.show()

```


Books Distribution by Price Range
Number of Books
0
2
4
6
8
10
12
<=20
>20 & <=40
>40 & <=60
>60
Price Range (£)


Books Price Range Distribution
>60
60.0%
<=20
15.0%
20.0%
5.0%
>20 & <=40
>40 & <=60