```
import pandas as pd
df = pd.read_excel('/content/ecommerce_sales_data.xlsx')
df.head()
top_products_by_quantity = df.groupby('Product')['Quantity'].sum().sort_values(ascending=False).head(
top_products_by_quantity
```

Product	Quantity
Laptop	253
Headphones	202
Mouse	191
Tablet	188
Keyboard	181
Monitor	176
Charger	174
Smartphone	162

dtype: int64

```
top_products_by_sales = df.groupby('Product')['Total Sales'].sum().sort_values(ascending=False).head(
top_products_by_sales
```

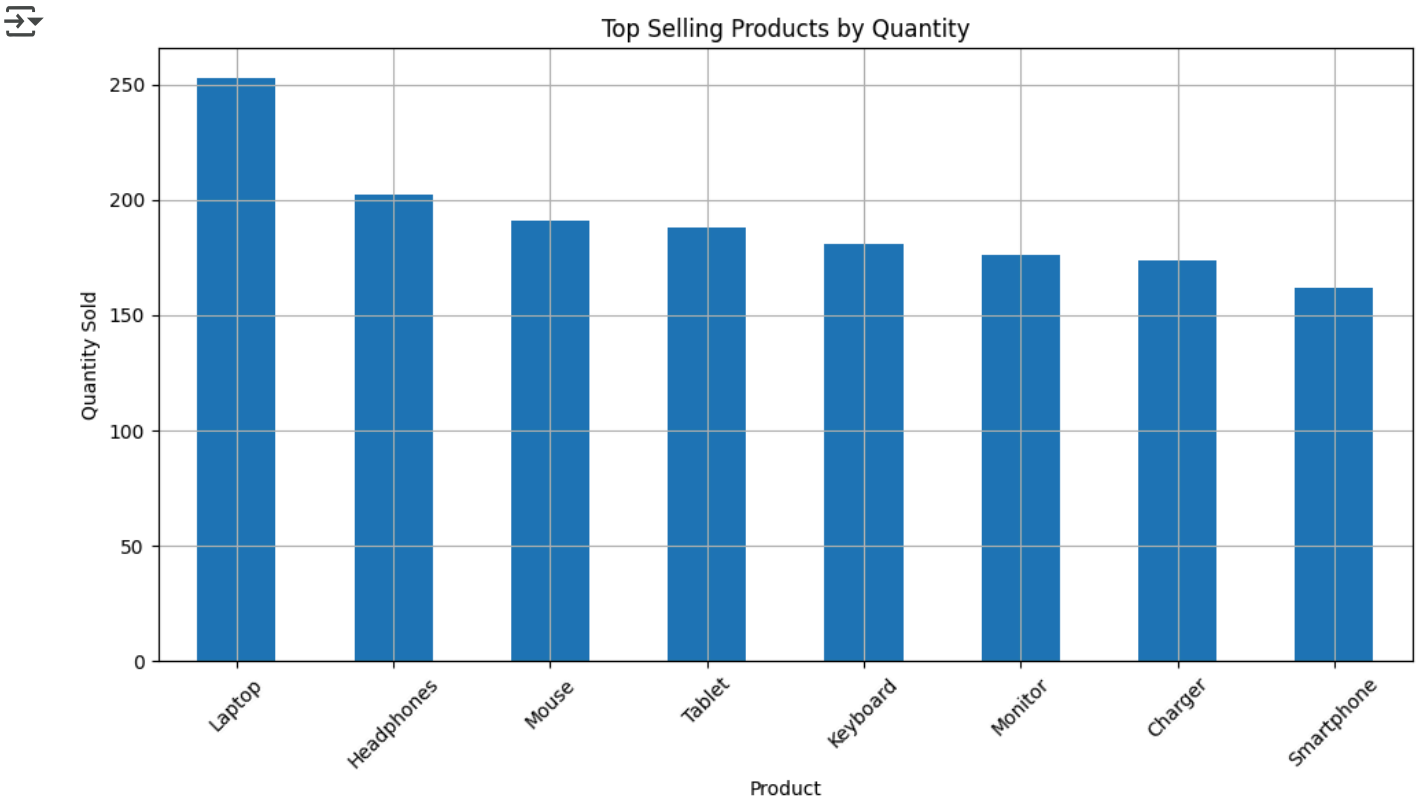
Product	Total Sales
Laptop	1876269
Headphones	1661654
Tablet	1494885
Keyboard	1359491
Charger	1327769
Mouse	1316791
Monitor	1288273
Smartphone	1220640

dtype: int64

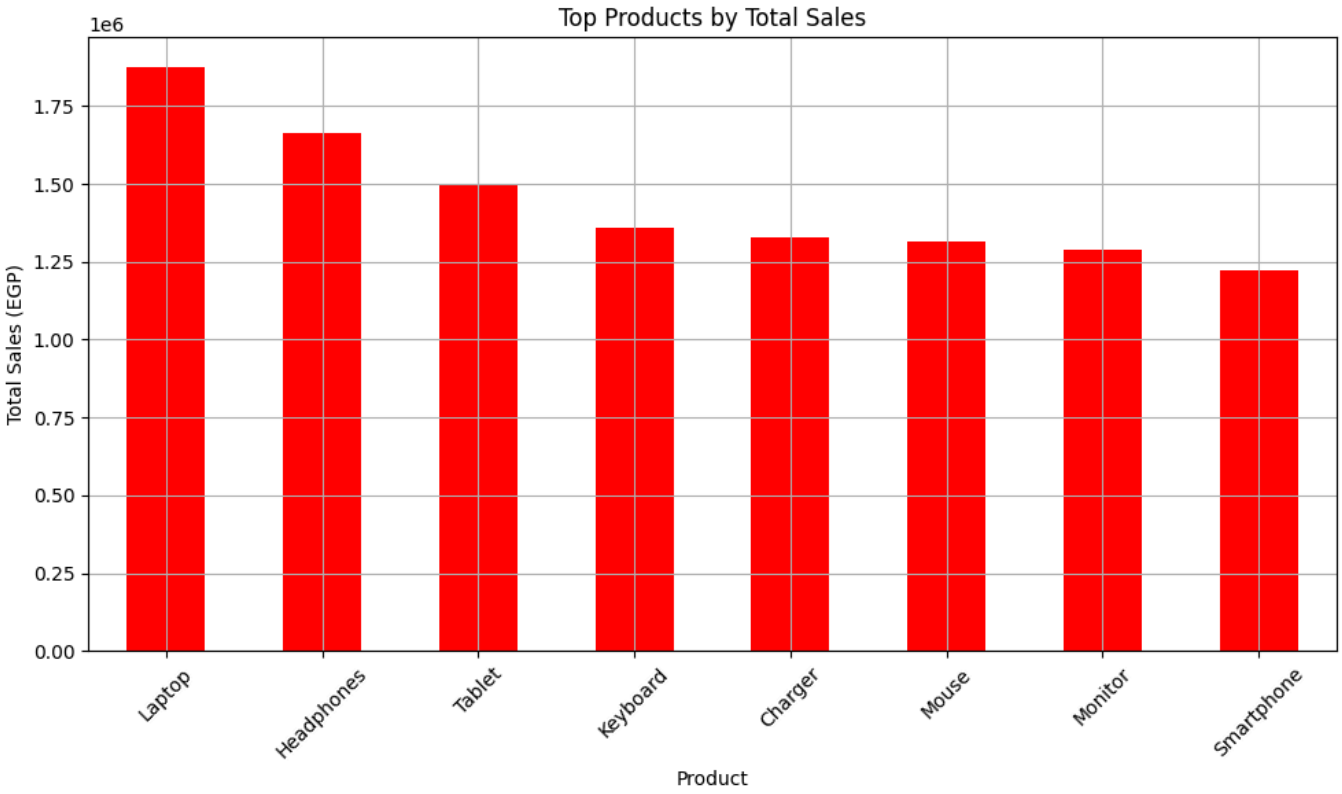
```
import matplotlib.pyplot as plt

top_products_by_quantity.plot(kind='bar', figsize=(10,6))
plt.title('Top Selling Products by Quantity')
plt.xlabel('Product')
```

```
plt.ylabel('Quantity Sold')
plt.xticks(rotation=45)
plt.grid(True)
plt.tight_layout()
plt.show()
```




```
top_products_by_sales.plot(kind='bar', color='red', figsize=(10,6))
plt.title('Top Products by Total Sales')
plt.xlabel('Product')
plt.ylabel('Total Sales (EGP)')
plt.xticks(rotation=45)
plt.grid(True)
plt.tight_layout()
plt.show()
```


Top Products by Total Sales
1e6
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Total Sales (EGP)
Laptop
Headphones
Tablet
Keyboard
Charger
Mouse
Monitor
Smartphone
Product