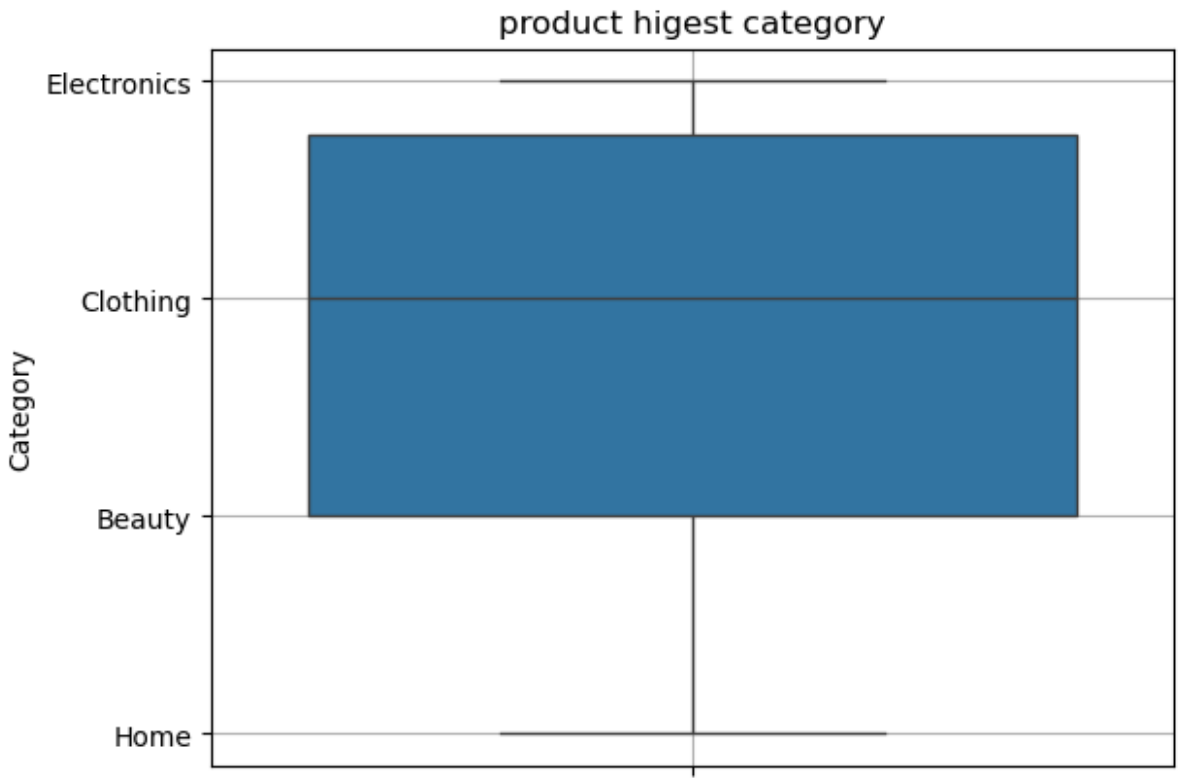
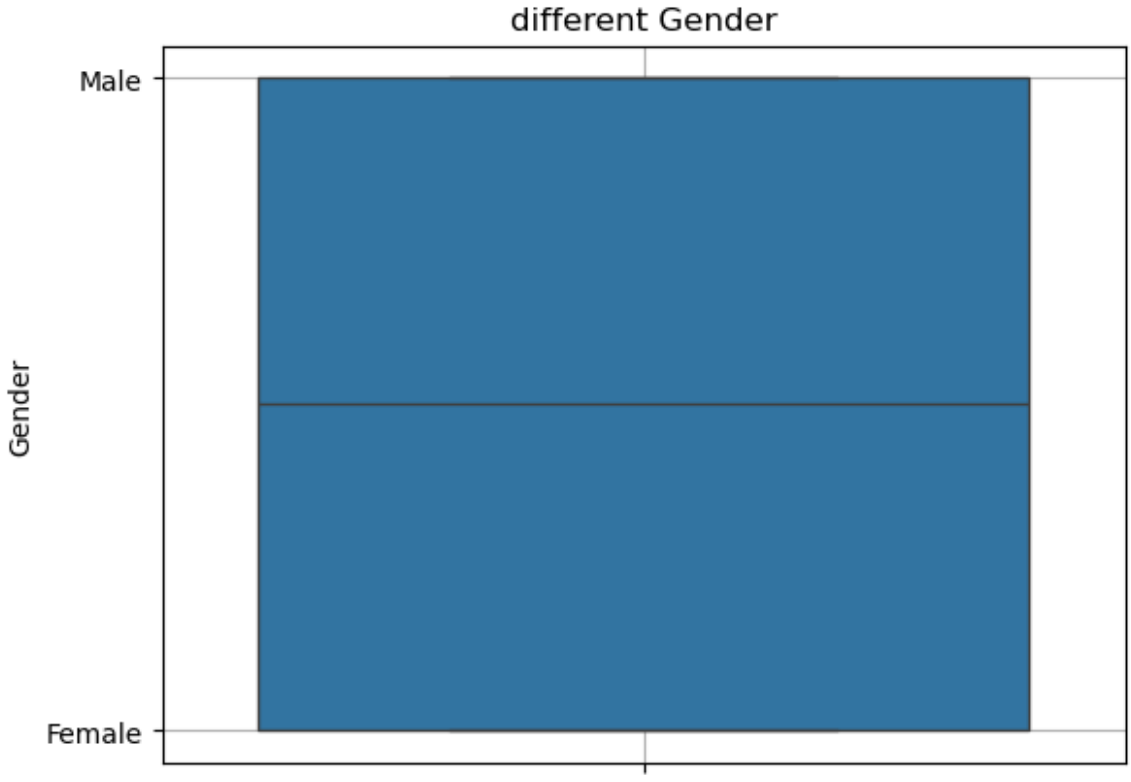
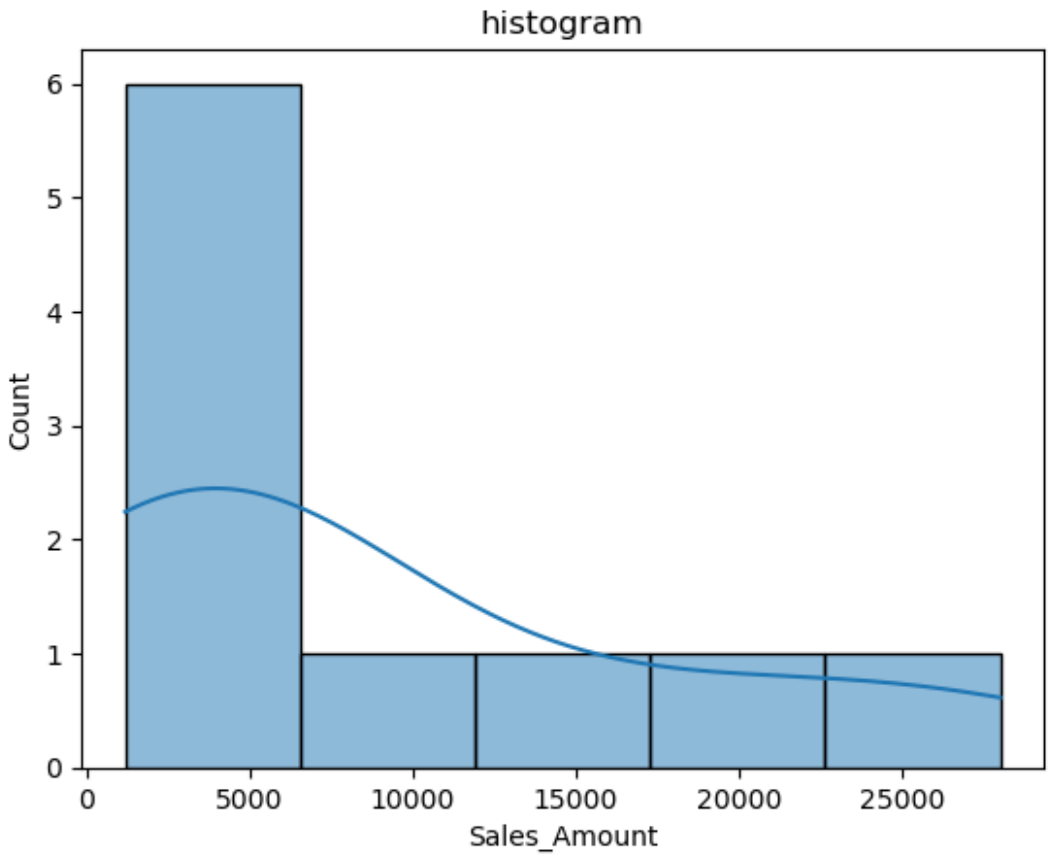
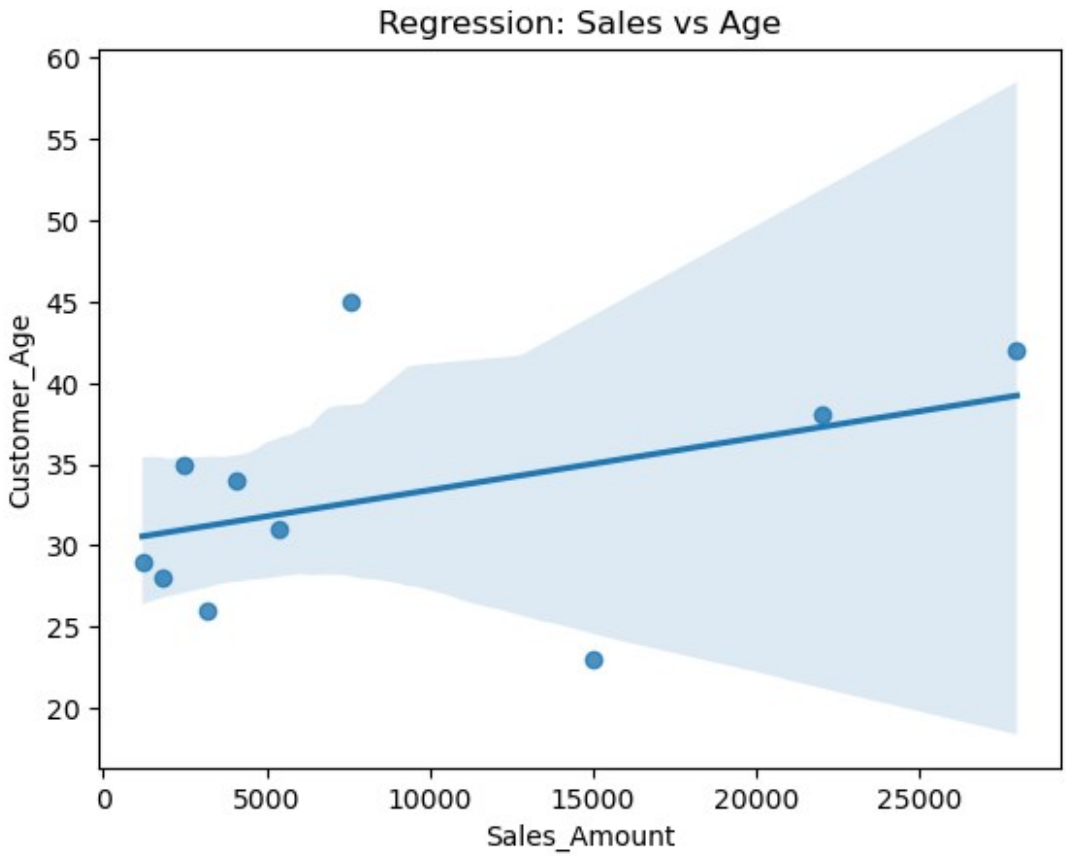
```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
df=pd.read_csv('online_store_sales.csv')
print(df)

sns.boxplot( y="Category", data=df)
plt.title("product higest category")
plt.grid()
plt.show()

sns.boxplot( y="Gender", data=df)
plt.title("different Gender")
plt.grid()
plt.show()

sns.histplot(df["Sales_Amount"], kde=True)
plt.title("histogram")
plt.show()

sns.regplot(x="Sales_Amount", y="Customer_Age", data=df)
plt.title("Regression: Sales vs Age")
plt.show()

corr = df.corr(numeric_only=True)
sns.heatmap(corr, annot=True, cmap="coolwarm")
plt.title("Correlation Heatmap")
plt.show()
```

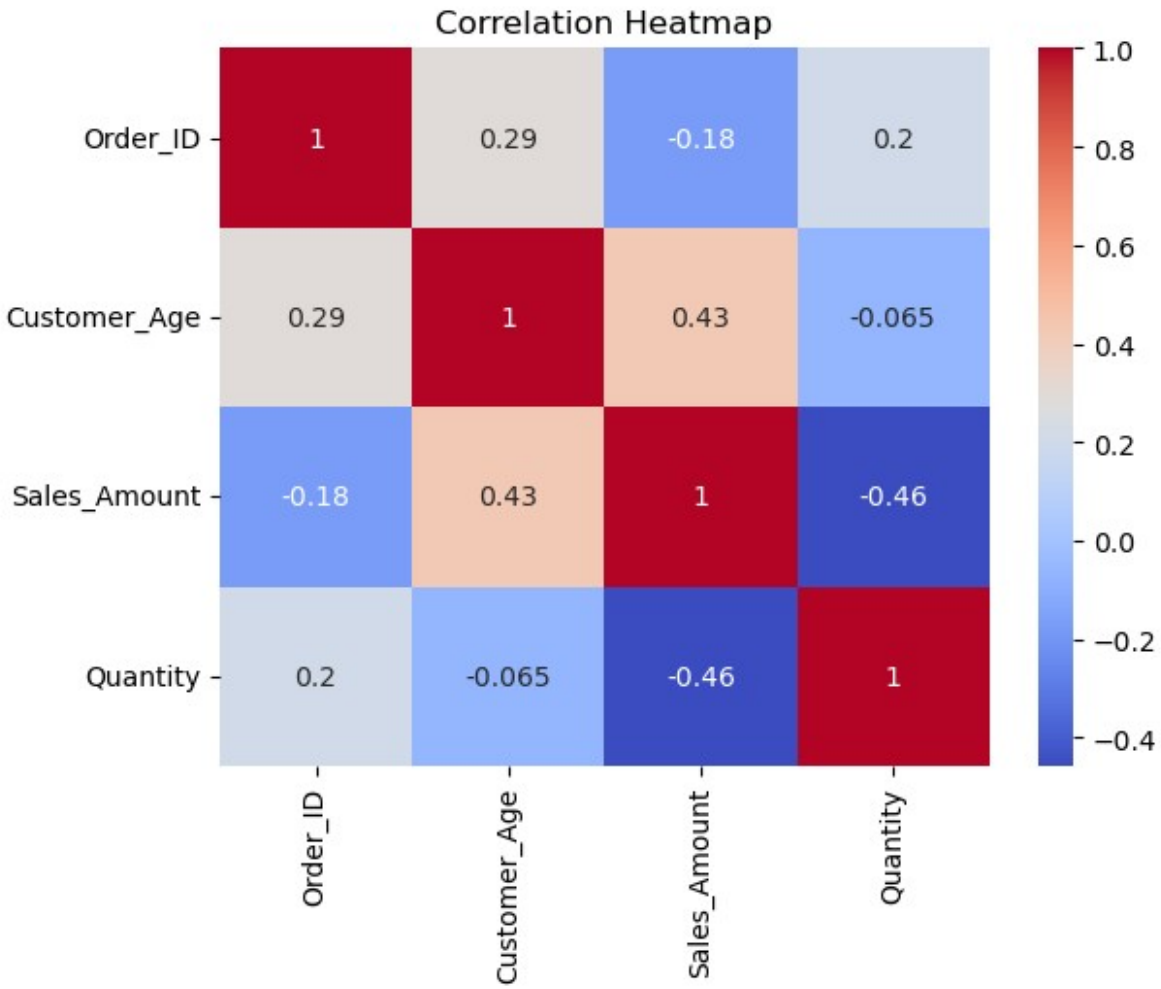
	Order_ID	Customer_Age	Gender	Category	Sales_Amount	Quantity
0	101	23	Male	Electronics	15000	1
1	102	35	Female	Clothing	2500	3
2	103	29	Female	Beauty	1200	2
3	104	42	Male	Electronics	28000	2
4	105	31	Male	Home	5400	1
5	106	26	Female	Clothing	3200	4
6	107	38	Female	Electronics	22000	1
7	108	45	Male	Home	7600	2
8	109	28	Male	Beauty	1800	2
9	110	34	Female	Clothing	4100	3


product higest category
Electronics
Clothing
Beauty
Home
Category


different Gender
Male
Female
Gender


histogram
Count
Sales_Amount
0
1
2
3
4
5
6
0
5000
10000
15000
20000
25000


Regression: Sales vs Age
Customer_Age
Sales_Amount
60
55
50
45
40
35
30
25
20
0
5000
10000
15000
20000
25000


Correlation Heatmap
Order_ID
Customer_Age
Sales_Amount
Quantity
1
0.29
-0.18
0.2
0.29
1
0.43
-0.065
-0.18
0.43
1
-0.46
0.2
-0.065
-0.46
1
Order_ID
Customer_Age
Sales_Amount
Quantity
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4