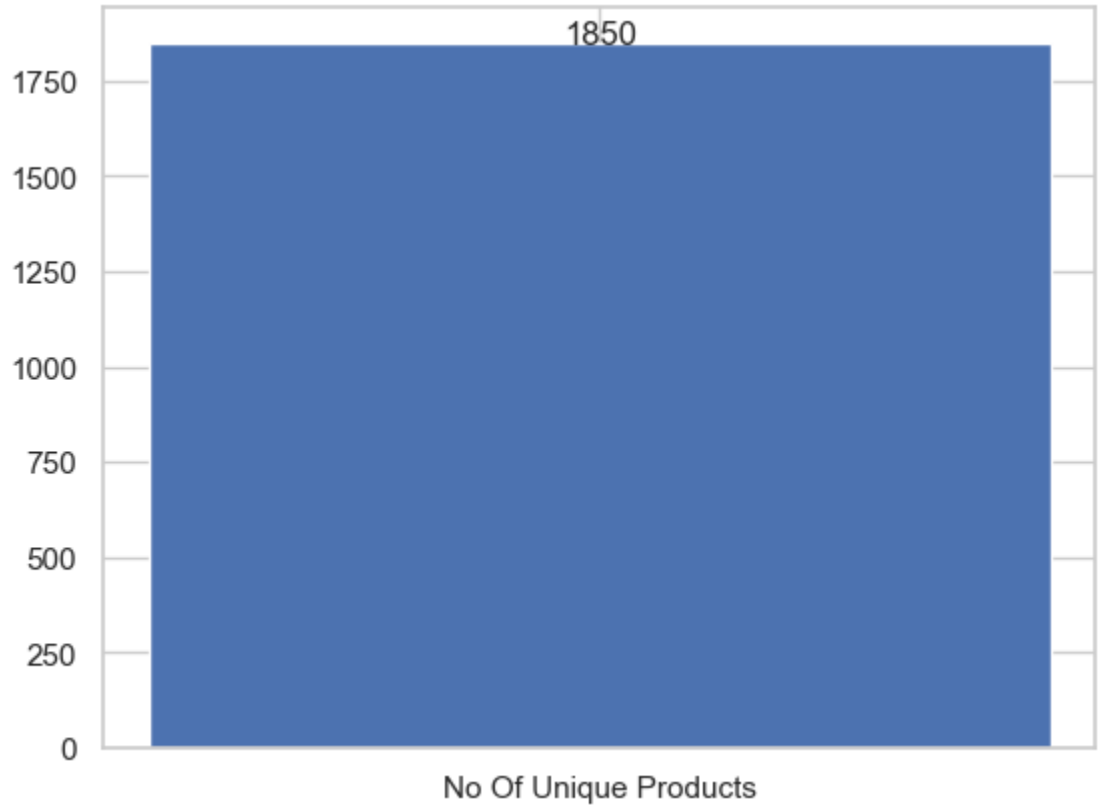
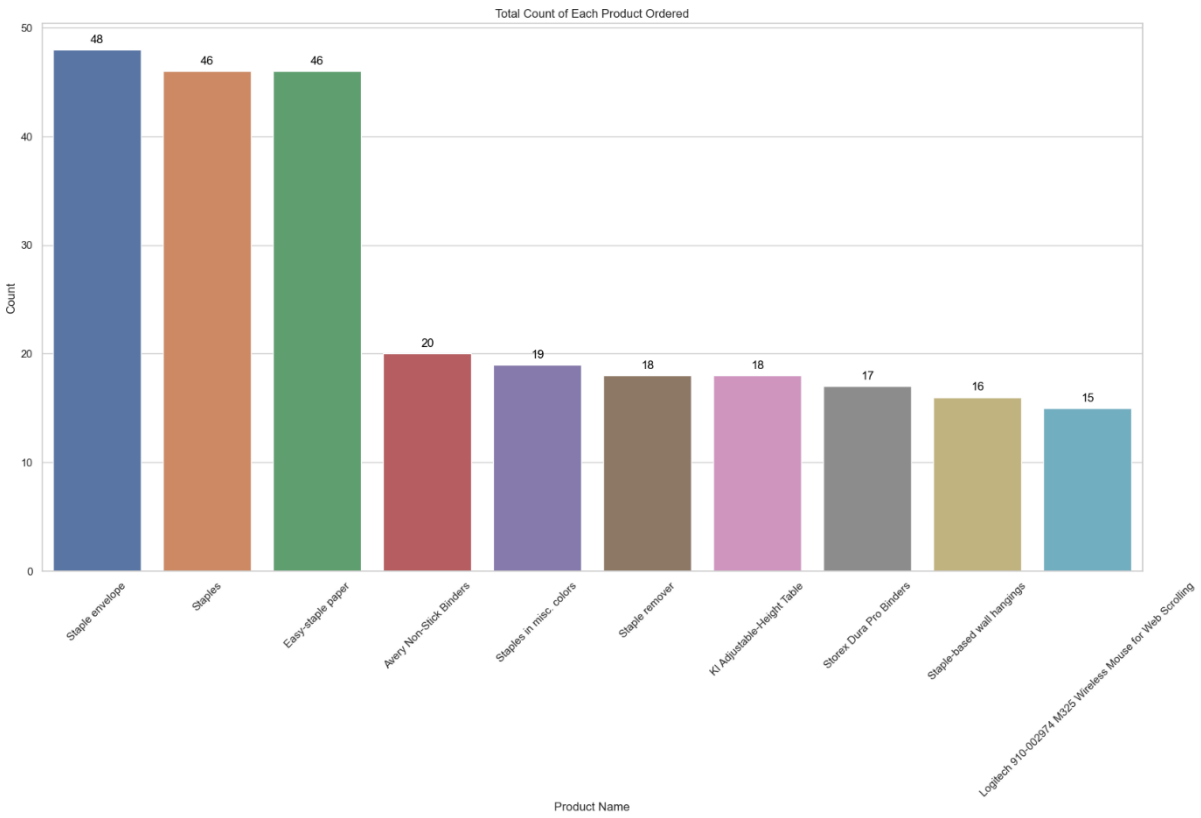
```
Unique_Products = Dataset['Product Name'].unique()
No_of_Unique_Products = Dataset['Product Name'].nunique()
print(f"There are {No_of_Unique_Products} Unique Products :-\n{Unique_Products}")
plt.bar(
   x=["No Of Unique Products"], height=[len(Unique_Products)], width=0.5
)

for i, v in enumerate([len(Unique_Products)]):
   plt.text(i, v + 0.5, str(v), ha="center")

plt.show()
```

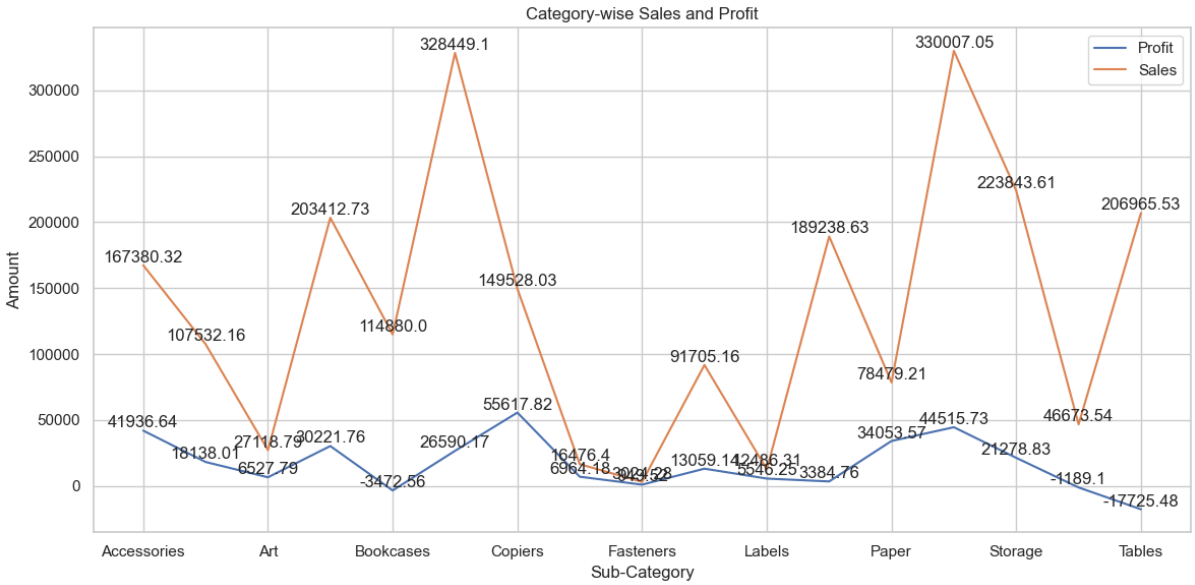



```
Count_of_Each_Product = Dataset['Product Name'].value_counts()
Data = Count_of_Each_Product[:10]
Data_df = pd.DataFrame({"Product Name": Data.index, "Count": Data.values})

plt.figure(figsize=(20, 10))
ax = sns.barplot(data=Data_df, x="Product Name", y="Count", hue="Product Name")
for p in ax.patches:
   ax.annotate(
      format(p.get_height(), ".0f"),
      (p.get_x() + p.get_width() / 2.0, p.get_height()),
      ha="center",
      va="center",
      xytext=(0, 10),
      textcoords="offset points",
      fontsize=12,
```

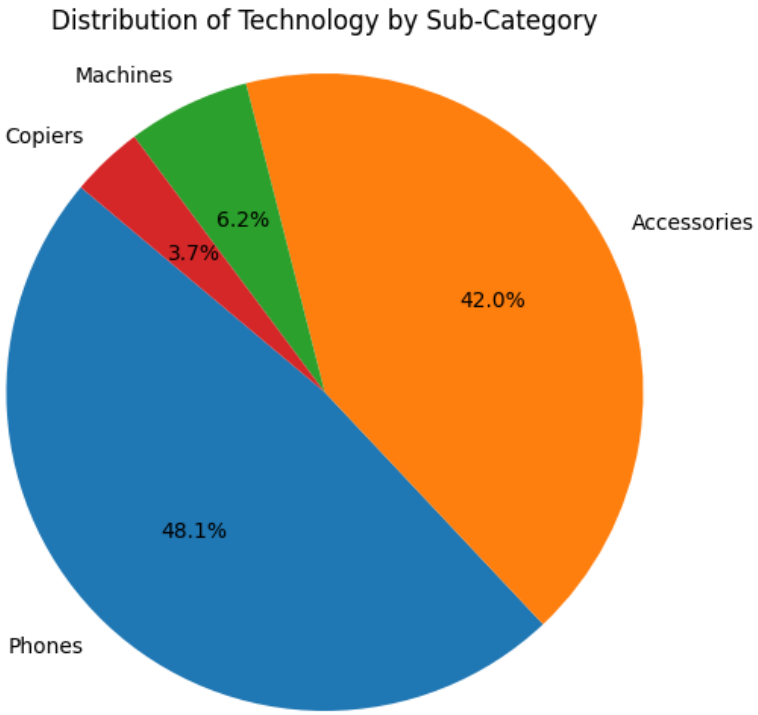
```
        color="black",
    )

plt.xticks(rotation=45)
plt.xlabel("Product Name")
plt.ylabel("Count")
plt.title("Total Count of Each Product Ordered")
plt.show()
```




```
Category_wise_Sales_and_profit = Dataset.groupby("Sub-Category")[["Profit", "Sales"]].sum()
print(Category_wise_Sales_and_profit)
ax = Category_wise_Sales_and_profit.plot(kind="line", figsize=(12, 6))
plt.title("Category-wise Sales and Profit")
plt.xlabel("Sub-Category")
plt.ylabel("Amount")
plt.grid(True)
plt.legend(loc="upper right")

for column in Category_wise_Sales_and_profit.columns:
    for index, value in enumerate(Category_wise_Sales_and_profit[column]):
        ax.text(index, value, str(round(value, 2)), ha="center", va="bottom")

plt.tight_layout()
plt.show()
```




```
Technology_Distribution = (
   Dataset[Dataset["Category"] == "Technology"]["Sub-Category"]
   .value_counts()
   .rename("Counts")
)
total_technology = Technology_Distribution.sum()
Technology_Distribution_with_percentage = (
   Technology_Distribution / total_technology
) * 100
Technology_Distribution_with_percentage = (
   Technology_Distribution_with_percentage.rename("Percentage")
)
Distribution_of_Technology = pd.concat(
   [Technology_Distribution, Technology_Distribution_with_percentage], axis=1
)

print(Distribution_of_Technology)

plt.figure(figsize=(10, 6))
plt.pie(
   Distribution_of_Technology["Counts"],
   labels=Distribution_of_Technology.index,
   autopct="%1.1f%%",
   startangle=140,
)
plt.title("Distribution of Technology by Sub-Category")
plt.axis("equal")
plt.show()
```


Distribution of Technology by Sub-Category
Machines
Copiers
Accessories
6.2%
3.7%
42.0%
48.1%
Phones