

```

import matplotlib.pyplot as plt
import numpy as np
import pandas as pd

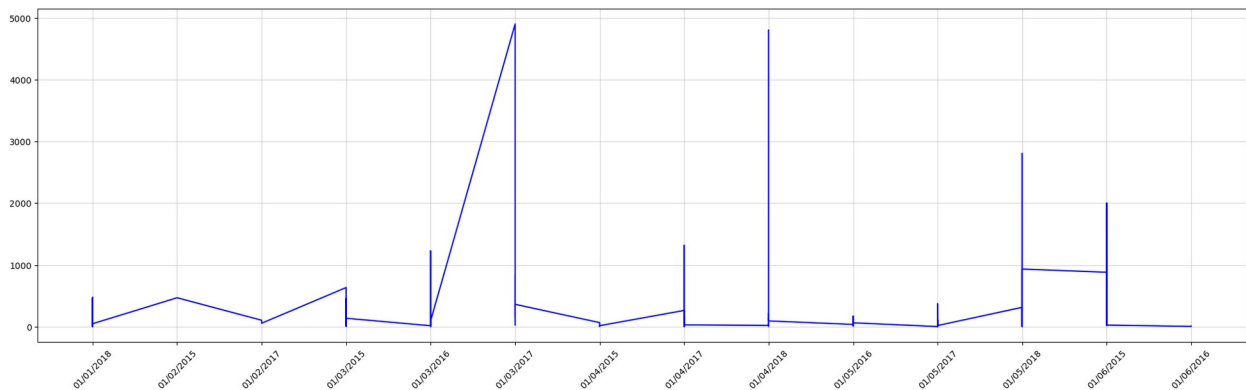
#importing the data
data=pd.read_csv(r"C:\Users\raksh\Downloads\train.csv")
df=pd.DataFrame(data)

#pre-processing
df.dropna(inplace=True)
df.drop_duplicates(keep='first',inplace=True)

#plotting the data
df1=df.sort_values(by='Order Date')
plt.figure(figsize=(20,6))
plt.xticks(rotation=45)
plt.grid(True, alpha=0.5)
plt.tight_layout()
plt.plot(df1['Order Date'].head(100), df1['Sales'].head(100),
color='Blue')

[<matplotlib.lines.Line2D at 0x1a16d687d40>]

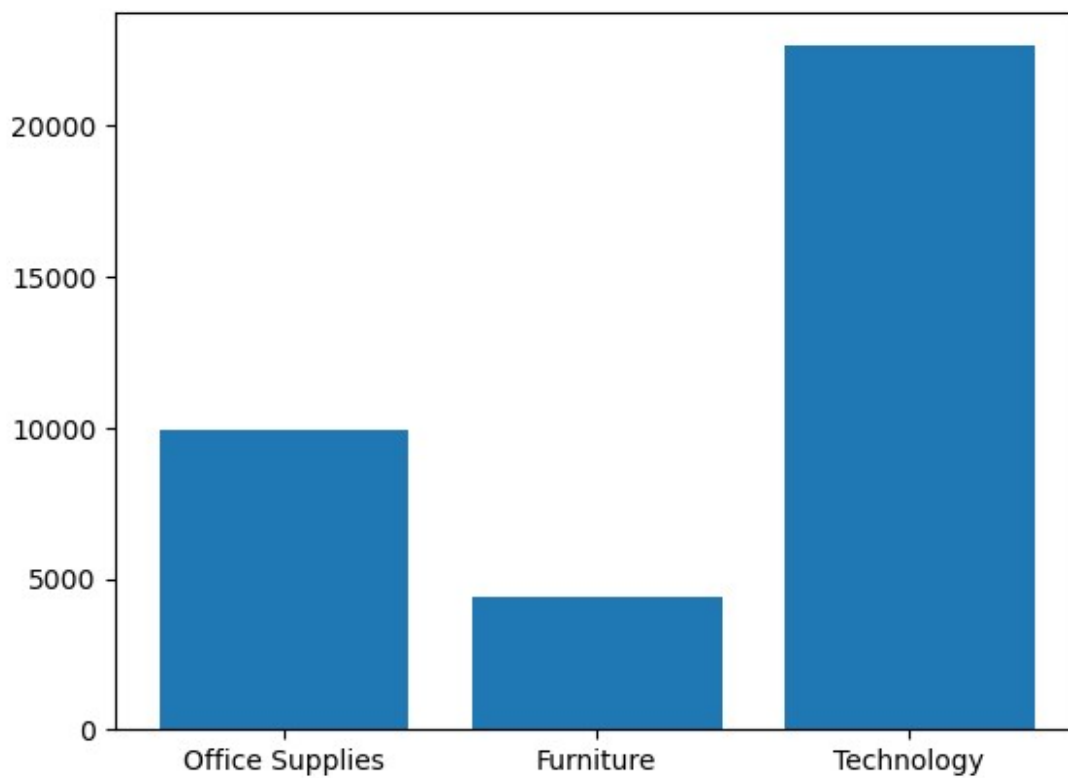
```



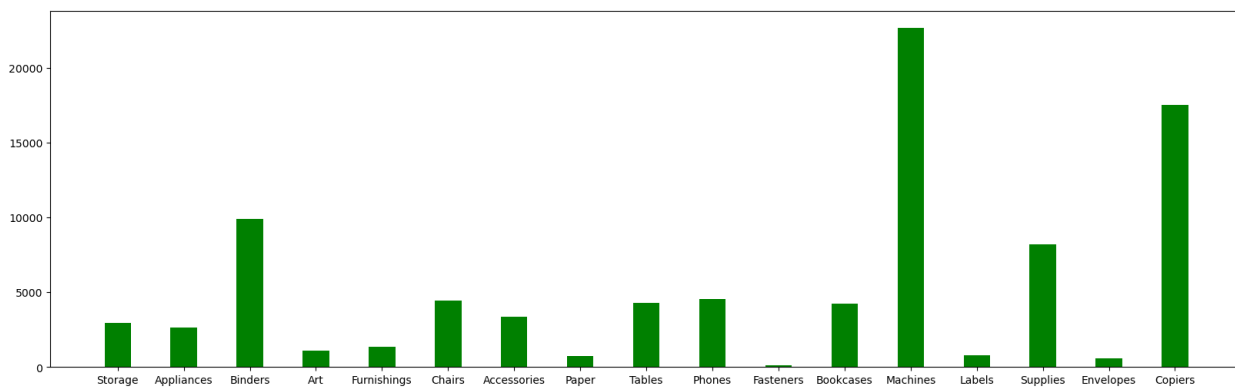
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plt.bar(df['Category'],df['Sales'])
plt.show()

```



```
plt.figure(figsize=(20,6))
plt.bar(df['Sub-Category'],df['Sales'],width=0.4,color='green')
plt.show()
```



```
plt.figure(figsize=(30,10))
plt.hist(df['Sales'],bins=100,color='Red')
plt.xticks(range(0,3500,500))
plt.show()
```



```
plt.subplot(2,2,1)
plt.bar(df['Category'],df['Sales'])
plt.subplot(2,2,2)
plt.hist(df['Sales'],bins=100)
plt.figure(figsize=(30,10))
plt.xticks(range(0,3500,500))

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```

