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```
import pandas as pd
import numpy as np

data = pd.read_csv(r"")
df = pd.DataFrame(data)
maindata = df.copy() # Create a copy of the dataframe to reset it Later

df['Sales'].describe
df = df.groupby('Months').sum
df = df.sort_values by 'Sales' ascending False
best_month = df.head(1).index[0]
best_month_sales = df['Sales'].iloc[0]
print("Best Month for Sales:" best_month)
print("Revenue Earned was:" best_month_sales)

df = maindata.copy()
df = df.groupby("GrainName").sum
df = df.sort_values by "Sales" ascending False
most_sold_grain = df.head(1).index[0]
most_sold_grain_sales = df['Sales'].iloc[0]
print("Most Sold Grain is:" most_sold_grain)
```

```
print "The Best Month for sales is July, and" most_sold_grain "has occurred in  
July, making it the most sold product with the highest sales."
```

```
df = maindata.copy()

df = df.groupby("City").sum()

df = df.sort_values(by="Sales", ascending=False)

city_highest_sales = df.head(1).index[0]

print "'{}' has sold the highest number of products." city_highest_sales
```

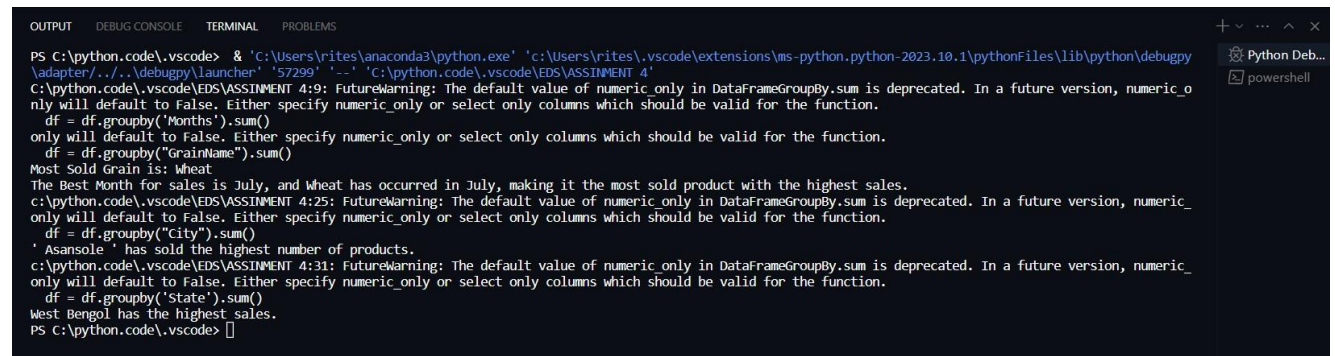
```
df = maindata.copy()

df = df.groupby("State").sum()

df = df.sort_values(by="Sales", ascending=False)

state_highest_sales = df.head(1).index[0]

print state_highest_sales "has the highest sales."
```



```
PS C:\python.code\.vscode> & 'C:\Users\rites\anaconda3\python.exe' 'C:\Users\rites\.vscode\extensions\ms-python.python-2023.10.1\pythonFiles\lib\python\debugpy\
\adapter\..\..\debugpy\launcher' '57299' '...' 'C:\python.code\.vscode\EDS\ASSIGNMENT 4'
C:\python.code\.vscode\EDS\ASSIGNMENT 4:9: FutureWarning: The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a future version, numeric_o
nly will default to False. Either specify numeric_only or select only columns which should be valid for the function.
df = df.groupby("Months").sum()
only will default to False. Either specify numeric_only or select only columns which should be valid for the function.
df = df.groupby("GrainName").sum()
Most Sold Grain is: Wheat
The Best Month for sales is July, and Wheat has occurred in July, making it the most sold product with the highest sales.
c:\python.code\.vscode\EDS\ASSIGNMENT 4:25: FutureWarning: The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a future version, numeric_
only will default to False. Either specify numeric_only or select only columns which should be valid for the function.
df = df.groupby("City").sum()
' Asansole ' has sold the highest number of products.
c:\python.code\.vscode\EDS\ASSIGNMENT 4:31: FutureWarning: The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a future version, numeric_
only will default to False. Either specify numeric_only or select only columns which should be valid for the function.
df = df.groupby("State").sum()
West Bengal has the highest sales.
PS C:\python.code\.vscode>
```