Practical 4 Submission

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Problem Statement: **Read any real-life dataset. Store the data in Data Frames. Identify 10 grains for the given dataset.**

Implement all 20 grains using Pandas methods. The Sample Grains for the Sales Dataset are as:

1. **Which was the best month for sales? How much was earned that month?**
2. **Which product sold the most? Why do you think it did?**
3. **Which city sold the most products?**
4. **What Products are most often sold together?**

***Code*:**

```
import pandas as pd

df=pd.read_csv("grainsales.csv",delimiter=",")


#Maximum sales in Month

month=df.groupby('Months')['Sales'].sum().idxmax()

print("\nMaximum sales are done in the month of: ",month)


sales=df.groupby('Months')['Sales'].sum().max() print("\nThe

earning made in that month is: ",sales)
```

#Product which sold the most and by whom

max_sales=df.groupby('GrainName')['Sales'].sum().idxmax()

print("\nThe product who sold the most is: ",max_sales)

#City which sold the most products

city=df.groupby('City')['Sales'].sum().idxmax() print("\nThe

city which sold the most products: ",city)

#Minimum sales done in the month

min_sales=df.groupby('Months')['Sales'].sum().idxmin()

print("\nMinimum sales are done in the month: ",min_sales)

#Mean of all the sales mean=df['Sales'].mean()

print("\nMean of all the sales is: ",mean)

Output: