

EDS PRACTICAL NO 4

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#code:

#code to find best month for sale

import pandas as pd

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

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

earn=df.groupby("Months")["Sales"].sum().max()

print("The best month for sale is :",month)

print("Total earn in that month was",earn)

```
In [14]: ▶ #code to find best month for sale
import pandas as pd
df=pd.read_csv("grainsales.csv")

month=df.groupby("Months")["Sales"].sum().idxmax()
earn=df.groupby("Months")["Sales"].sum().max()
print("The best month for sale is :",month)
print("Total earn in that month was",earn)
```

The best month for sale is : JULY
Total earn in that month was 16000000

#Question 2:

```
In [5]: ▶ #code to find most sale product
a=df.groupby("GrainName")["Sales"].sum().idxmax()
print ("The most sale product is",a)
b=df.groupby("Months")["GrainName"].value_counts()
print("This is because it was eaten in most of month",b)
```

The most sale product is Wheat
This is because it was eaten in most of month

Months	GrainName	Count
APRIL	Sattu	2
AUG	Corn	3
FEB	Bajra	4
JAN	Ragi	5
JULY	Wheat	4
JUNE	Brown rice	4
MARCH	Oats	2
MAY	Sooji	3

Name: GrainName, dtype: int64

Question 3:

```
In [6]: ▶ #code to find most product sold city
c=df.groupby("City")["Sales"].sum().idxmax()
print("The most product sold city is:",c)
```

The most product sold city is: Asansole

Question 4:

```
In [35]: d=df.groupby("Months").value_counts()  
print(d)
```

Months	GrainName	State	City	Year	Sales	
APRIL	Sattu	Gujarat	Surat	2023	2500000	2
AUG	Corn	UP	Kanpur	2023	4500000	3
FEB	Bajra	Panjab	Amritsar	2023	1500000	4
JAN	Ragi	Maharashtra	Nagpur	2023	1000000	5
JULY	Wheat	West Bengol	Asansole	2023	4000000	4
JUNE	Brown rice	Telangana	Hyderabad	2023	3500000	4
MARCH	Oats	Hariyana	Gurugram	2023	2000000	2
MAY	Sooji	Tamil Nadu	Madurai	2023	3000000	3

dtype: int64