Practical 4

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Store the information in a DataFrame and identify the top 10 grains,

1. Which was the best month for sales? How much was earned that month?

```
[2] # Group the data by month and calculate the total sales for each month
    monthly_sales = df.groupby('Months')['Sales'].sum()

# Find the month with the highest sales
    best_month = monthly_sales.idxmax()
    highest_earnings = monthly_sales.max()

print("Best month for sales:", best_month)
    print("Earnings in the best month:", highest_earnings)

Best month for sales: AUG
    Earnings in the best month: 18000000
```

2. Which product sold the most? Why do you think it did?

```
[3] # Group the data by product and calculate the total sales for each product
    product_sales = df.groupby('GrainName')['Sales'].sum()

# Find the product with the highest sales
    best_product = product_sales.idxmax()

print("Product with the highest sales:", best_product)
Product with the highest sales: Corn
```

3. Which city sold the most products?

```
# Group the data by city and calculate the total sales for each city
city_sales = df.groupby('City')['Sales'].sum()

# Find the city with the highest sales
best_city = city_sales.idxmax()

print("City with the highest sales:", best_city)

City with the highest sales: Kanpur
```

4. What Products are most often sold together?