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Batch-H3

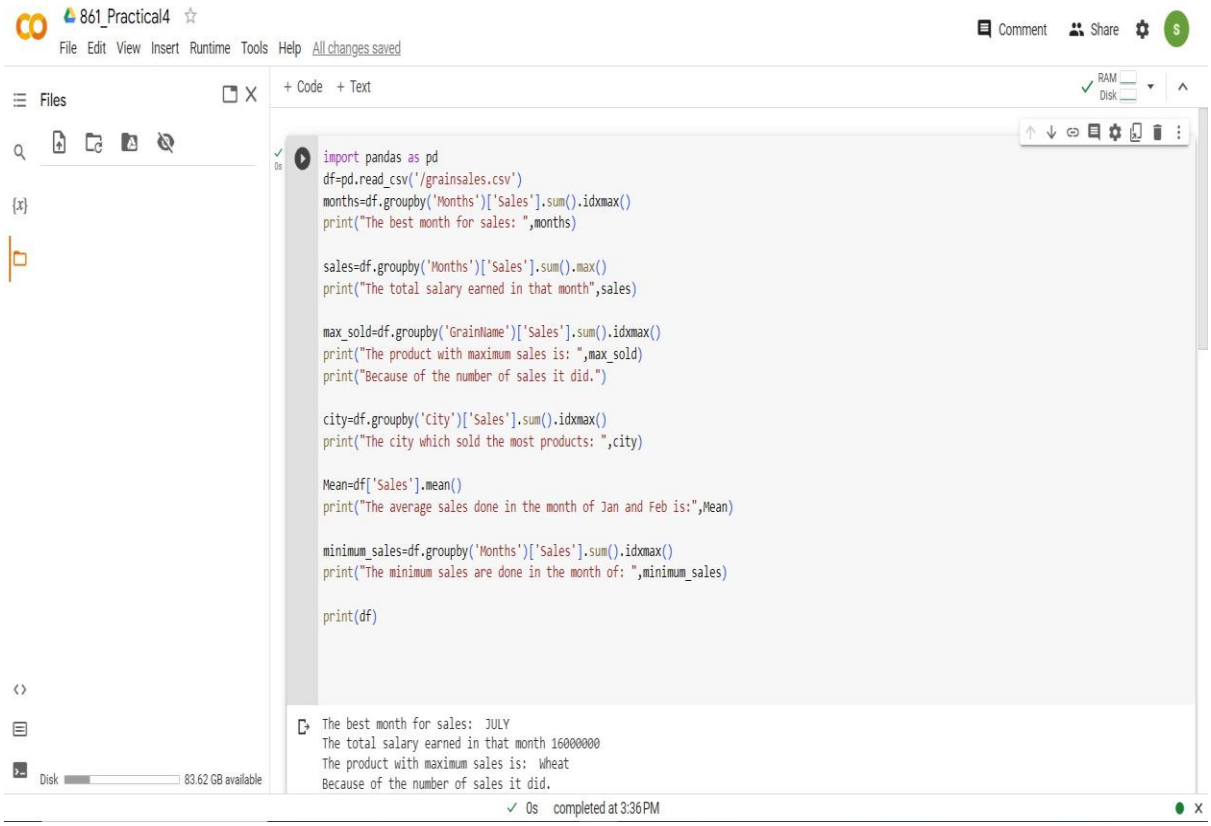
Practical No 4: (Graded Assignment)

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

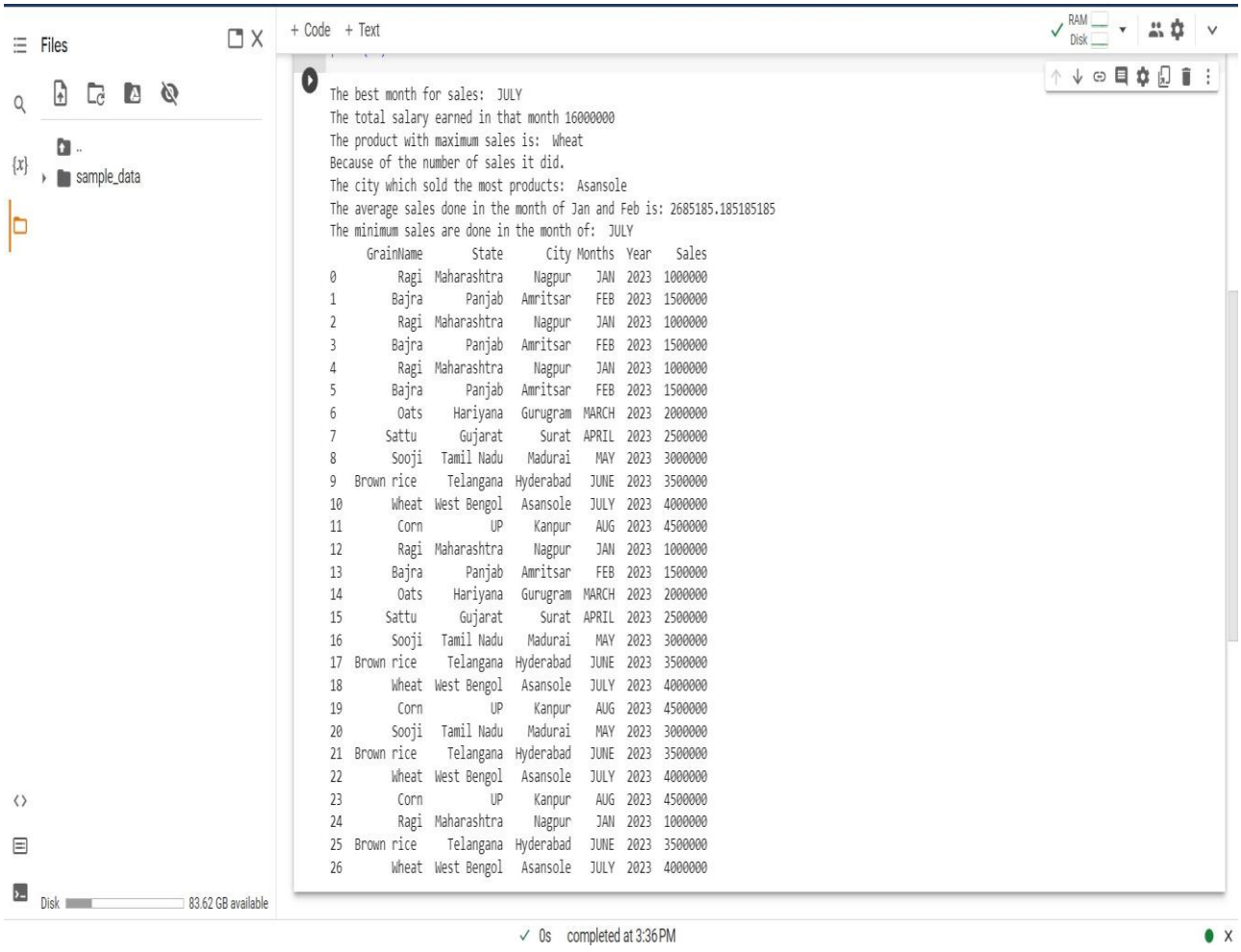
Implement all 20 grains using Pandas methods. The Sample Grains for the Sales Dataset are as:

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?**

The code:



The output:


Files
+ Code + Text
RAM
Disk
..
sample_data
Disk 83.62 GB available
The best month for sales: JULY
The total salary earned in that month 16000000
The product with maximum sales is: Wheat
Because of the number of sales it did.
The city which sold the most products: Asansole
The average sales done in the month of Jan and Feb is: 2685185.185185185
The minimum sales are done in the month of: JULY
GrainName State City Months Year Sales
0 Ragi Maharashtra Nagpur JAN 2023 1000000
1 Bajra Panjab Amritsar FEB 2023 1500000
2 Ragi Maharashtra Nagpur JAN 2023 1000000
3 Bajra Panjab Amritsar FEB 2023 1500000
4 Ragi Maharashtra Nagpur JAN 2023 1000000
5 Bajra Panjab Amritsar FEB 2023 1500000
6 Oats Hariyana Gurugram MARCH 2023 2000000
7 Sattu Gujarat Surat APRIL 2023 2500000
8 Sooji Tamil Nadu Madurai MAY 2023 3000000
9 Brown rice Telangana Hyderabad JUNE 2023 3500000
10 Wheat West Bengol Asansole JULY 2023 4000000
11 Corn UP Kanpur AUG 2023 4500000
12 Ragi Maharashtra Nagpur JAN 2023 1000000
13 Bajra Panjab Amritsar FEB 2023 1500000
14 Oats Hariyana Gurugram MARCH 2023 2000000
15 Sattu Gujarat Surat APRIL 2023 2500000
16 Sooji Tamil Nadu Madurai MAY 2023 3000000
17 Brown rice Telangana Hyderabad JUNE 2023 3500000
18 Wheat West Bengol Asansole JULY 2023 4000000
19 Corn UP Kanpur AUG 2023 4500000
20 Sooji Tamil Nadu Madurai MAY 2023 3000000
21 Brown rice Telangana Hyderabad JUNE 2023 3500000
22 Wheat West Bengol Asansole JULY 2023 4000000
23 Corn UP Kanpur AUG 2023 4500000
24 Ragi Maharashtra Nagpur JAN 2023 1000000
25 Brown rice Telangana Hyderabad JUNE 2023 3500000
26 Wheat West Bengol Asansole JULY 2023 4000000
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