EXPERIMENT - 8

Aim: To execute pandas program to create a pivot table and find the item wise unit sold (super sales_data table)

Pseudocode:

1) Import the necessary libraries (pandas).
2) Load the sales data into a pandas DataFrame.
3) Create a pivot table using the pivot_table() function to summarize the data by item.
4) Display the results.

Sample input:

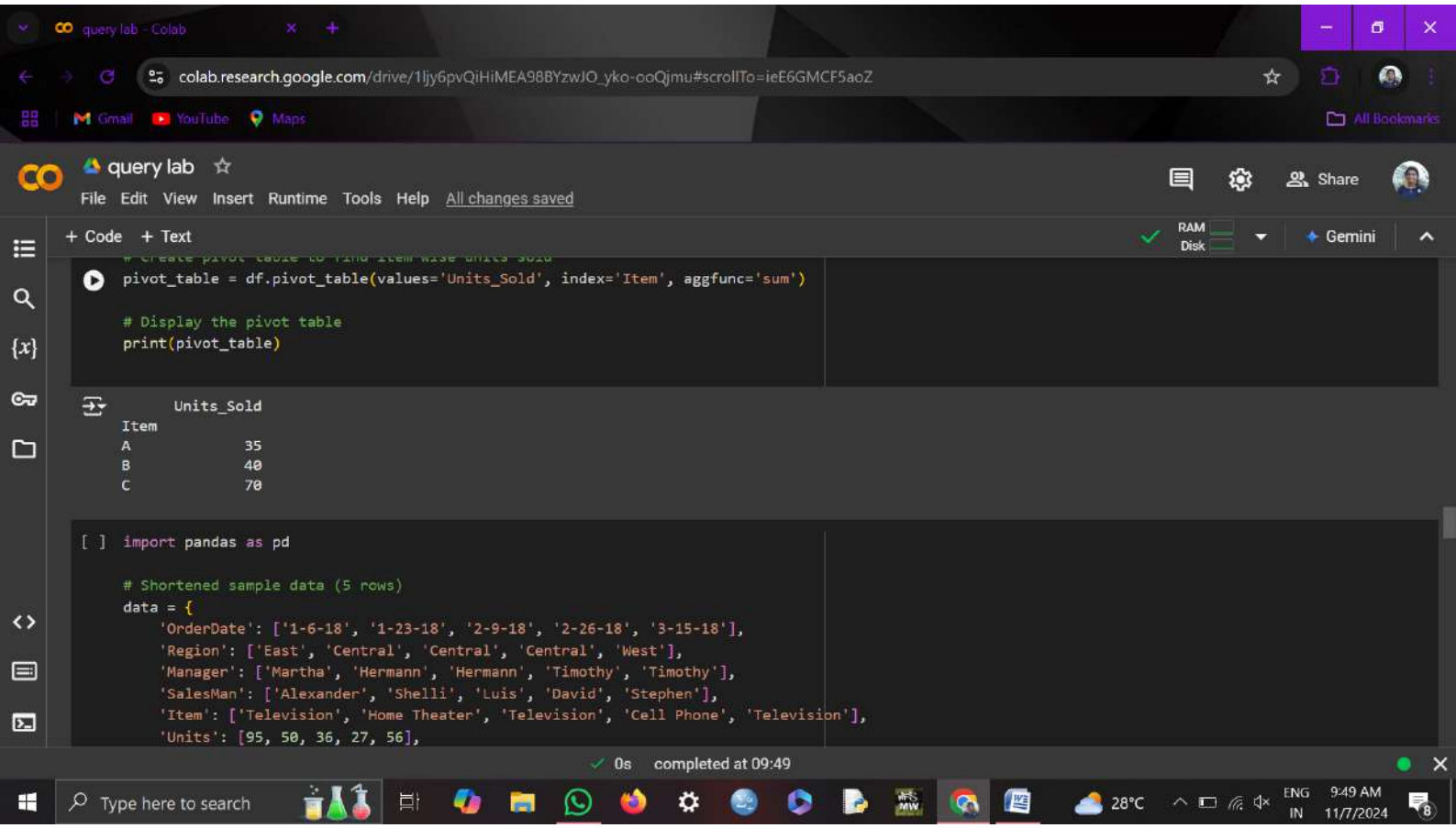
- Sales data table -

Sample output:

Item	units sold
A	35
B	10
C	70

Result:

Therefore the pandas execution for finding the item wise unit sold executed successfully.


query lab - Colab
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pivot_table = df.pivot_table(values='Units_Sold', index='Item', aggfunc='sum')
# Display the pivot table
print(pivot_table)
Units_Sold
Item
A 35
B 40
C 70
[ ] import pandas as pd
# Shortened sample data (5 rows)
data = {
'OrderDate': ['1-6-18', '1-23-18', '2-9-18', '2-26-18', '3-15-18'],
'Region': ['East', 'Central', 'Central', 'Central', 'West'],
'Manager': ['Martha', 'Hermann', 'Hermann', 'Timothy', 'Timothy'],
'SalesMan': ['Alexander', 'Shelli', 'Luis', 'David', 'Stephen'],
'Item': ['Television', 'Home Theater', 'Television', 'Cell Phone', 'Television'],
'Units': [95, 50, 36, 27, 56],
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