Pivote_table-item wise[Q8].py - C:\Users\ARTHI\OneDrive\Documents\Query Processing\Pivote_table-item wise[Q8].py (3.12.0)

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```
import pandas as pd

# Define the sales data
sales_data = {
    'OrderDate': ['1-6-18', '1-23-18', '2-9-18', '2-26-18', '3-15-18', '4-1-18', '4-18-18', '5-5-18', '5-22-18', '6-8-18', '6-25-18', '7-12-18', '7-29-18', '8-15-18', '9-1-18', '9-18-18', '
    'Region': ['East', 'Central', 'Central', 'Central', 'West', 'East', 'Central', 'Central', 'West', 'East', 'Central', 'East', 'East', 'East', 'Central', 'East', 'Central', 'East'],
    'Manager': ['Martha', 'Hermann', 'Hermann', 'Timothy', 'Timothy', 'Martha', 'Martha', 'Hermann', 'Douglas', 'Martha', 'Hermann', 'Martha', 'Douglas', 'Martha', 'Douglas', 'Martha', 'Her
    'SalesMan': ['Alexander', 'Shelli', 'Luis', 'David', 'Stephen', 'Alexander', 'Steven', 'Luis', 'Michael', 'Alexander', 'Sigal', 'Diana', 'Karen', 'Alexander', 'John', 'Alexander', 'Siga
    'Item': ['Television', 'Home Theater', 'Television', 'Cell Phone', 'Television', 'Home Theater', 'Television', 'Television', 'Television', 'Home Theater', 'Television', 'Home Theater',
    'Units': [95, 50, 36, 27, 56, 60, 75, 90, 32, 60, 90, 29, 81, 35, 2, 16, 28, 64],
    'Unit_price': [1198.00, 500.00, 1198.00, 225.00, 1198.00, 500.00, 1198.00, 1198.00, 1198.00, 500.00, 1198.00, 500.00, 500.00, 1198.00, 125.00, 58.50, 500.00, 225.00],
    'Sale_amt': [113810.00, 25000.00, 43128.00, 6075.00, 67088.00, 30000.00, 89850.00, 107820.00, 38336.00, 30000.00, 107820.00, 14500.00, 40500.00, 41930.00, 250.00, 936.00, 14000.00, 1440
}

# Create a DataFrame from the sales data
df = pd.DataFrame(sales_data)

# Create a pivot table to find the item-wise units sold
pivot_table = pd.pivot_table(df, values='Units', index='Item', aggfunc='sum')

print("Item-wise Units Sold:")
print(pivot_table)
```

IDLE Shell 3.12.0

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```
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 2023, 13:03:39) [MSC v.1935 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\ARTHI\OneDrive\Documents\Query Processing\trading volume of
Alphabet Inc. stock[Q5].py
>>>
= RESTART: C:\Users\ARTHI\OneDrive\Documents\Query Processing\the trading volume
-stock prices of Alphabet Inc. stock[Q6].py
>>>
= RESTART: C:\Users\ARTHI\OneDrive\Documents\Query Processing\Pivote_table-item
wise[Q8].py
Item-wise Units Sold:
              Units
Item
Cell Phone       91
Desk              2
Home Theater    308
Television      509
Video Games      16
>>>
```

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