

**Aim:** To execute pandas program to create a pivot table and find the item wise unit sold (refers 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 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	40
C	70

**Result:**

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

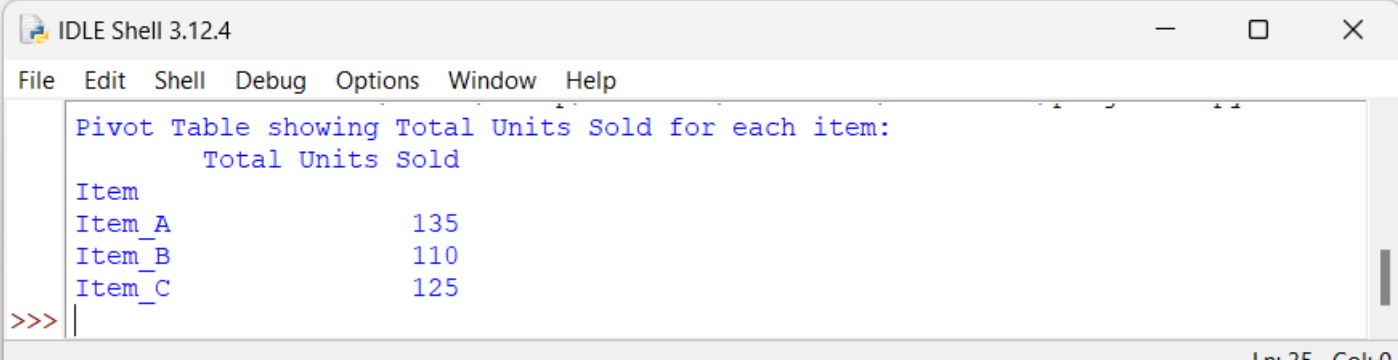
```
import pandas as pd

# Load the sales data
sales_data = pd.read_csv("C:/Users/abhip/OneDrive/Documents/DSA05 LAB/unitssold.csv")

# Create a Pivot table to calculate the total units sold for each item
pivot_table = sales_data.pivot_table(values='Units_Sold', index='Item', aggfunc='sum')

# Rename the column for clarity
pivot_table.columns = ['Total Units Sold']

# Display the Pivot table
print("Pivot Table showing Total Units Sold for each item:")
print(pivot_table)
```



Python Shell 3.12.4

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```
Pivot Table showing Total Units Sold for each item:
      Total Units Sold
Item
Item_A              135
Item_B              110
Item_C              125
>>> |
```

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