

Experiment - 8

Aim: To execute pandas program to create a pivot table. & find item wise unit sold

PseudoCode:

- 1) Import necessary libraries (pandas), ..
- 2) Load sales data into pandas DataFrame
- 3) Create pivot table using the pivot() func 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 was successfully.

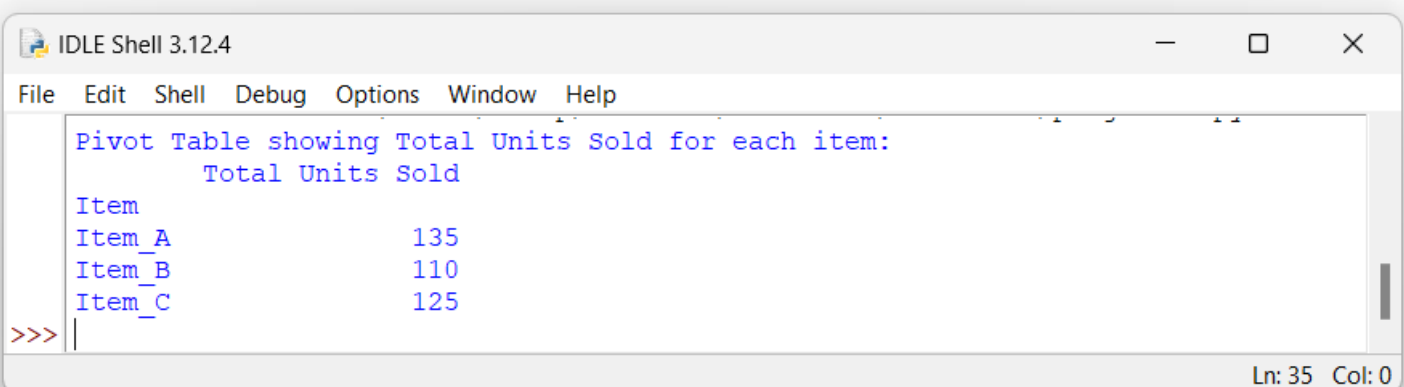
```
import pandas as pd

# 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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