

Feedback to course faculty

8/11/2024

mentor/HOD.

Aim:-

To Create a pivot table in python using pandas to find the total units sold for each item in the sales_data table.

Pseudo Code:-

- load data load the sales_data table into pandas DataFrame
- ⇒ Create pivot table: Use the pandas pivot table function to Create a pivot table with items as rows and the sum of units sold each items.
- Display Result.

Sample Input:-

item	unit_sold
item A	20
item B	15
item A	30
item B	12
item C	23

Sample Output:-

item	Total unit_sold
item A	75
item B	27
item C	40

Result:-

The code is executed successfully and get the outputs

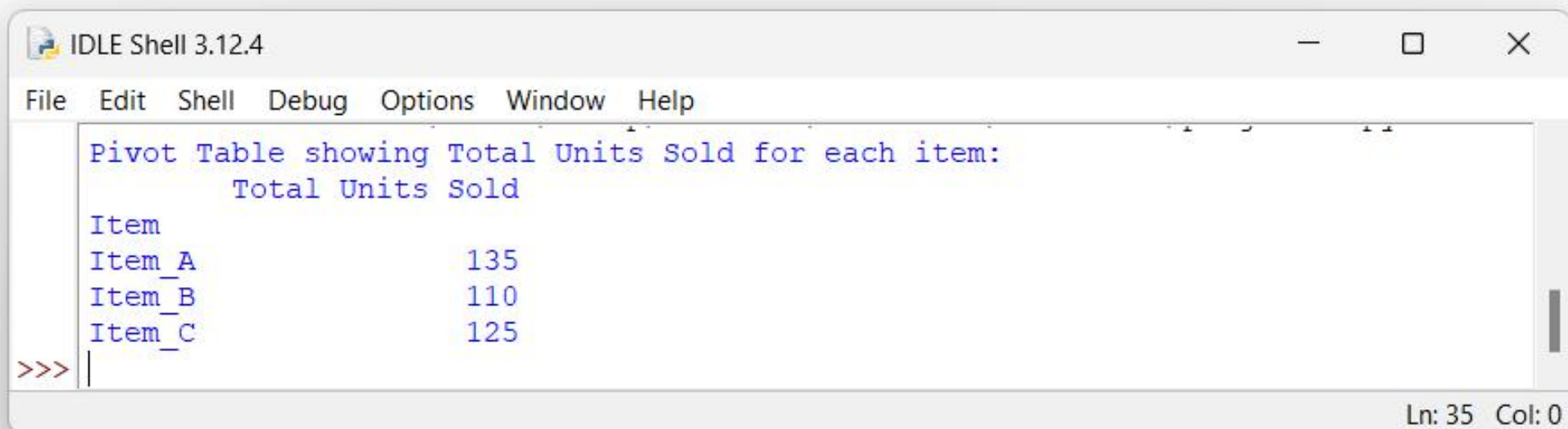
```
import pandas as pd

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

File Edit Shell Debug Options Window Help

```
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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