Fwded to coursefaculty

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.

pesudo 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.

→ Disply 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

```python
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)
```