EXP-8

Aim: To Execute pandas program to create a pivot table and find the item wise unit sold (refers sales_data table)

psendocode:

* import the necessary libraries (pandas)
* Load the sales data into a pandas DataFrame
* create a pivot table using pivot_table() function to summarize the data by item.
* Display the results

sample input:

sales data table

sample output:

Item	UnitsSold
A	35
B	40
C	70

Result:

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

```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)
```