**EXPERIMENT-7**

**AIM:**

To computea Pandas program to create a Pivot table and find the maximum and minimum sale value of the items.

**PROGRAM:**

import pandas as pd

data = {

'Date': ['2024-07-01', '2024-07-01', '2024-07-02', '2024-07-02',

'2024-07-03', '2024-07-03', '2024-07-04', '2024-07-04'],

'Item': ['Item\_A', 'Item\_B', 'Item\_A', 'Item\_B',

'Item\_A', 'Item\_B', 'Item\_A', 'Item\_B'],

'Sales': [100, 200, 150, 300, 100, 250, 200, 100]

}

df = pd.DataFrame(data)

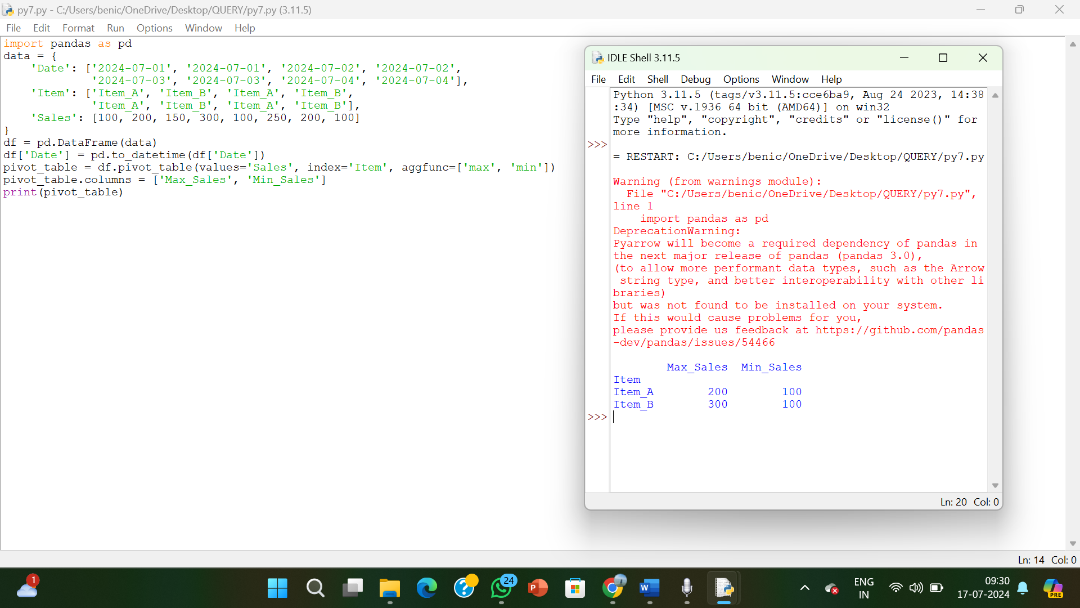
df['Date'] = pd.to\_datetime(df['Date'])

pivot\_table = df.pivot\_table(values='Sales', index='Item', aggfunc=['max', 'min'])

pivot\_table.columns = ['Max\_Sales', 'Min\_Sales']

print(pivot\_table)

**OUTPUT:**

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**RESULT:**

The pythonprogram to create a Pivot table and find the maximum and minimum sale value of the items is executed and verified.