Program:

import pandas as pd

df = pd.read\_csv("C:\\Users\\ragha\\Downloads\\temperature.csv")

df = df[df['AvgTemperature'] != -99]

df['Date'] = pd.to\_datetime(df[['Year', 'Month', 'Day']], errors='coerce')

df = df.dropna(subset=['Date'])

df['Month'] = df['Date'].dt.month\_name()

grouped = df.groupby(['City', 'Month'])['AvgTemperature'].sum().reset\_index()

pivot\_table = grouped.pivot(index='City', columns='Month', values='AvgTemperature').fillna(0)

pivot\_table['Total'] = pivot\_table.sum(axis=1)

print("Month-wise Temperature Summary:")

print(pivot\_table)

max\_city = pivot\_table['Total'].idxmax()

max\_temp = pivot\_table['Total'].max()

print(f"\nCity with highest total temperature: {max\_city} ({max\_temp:.2f}°F)")

Output:

