#### **EXPERIMENT NO: 2**

# Pandas library -Basic Concept

#### Aim:

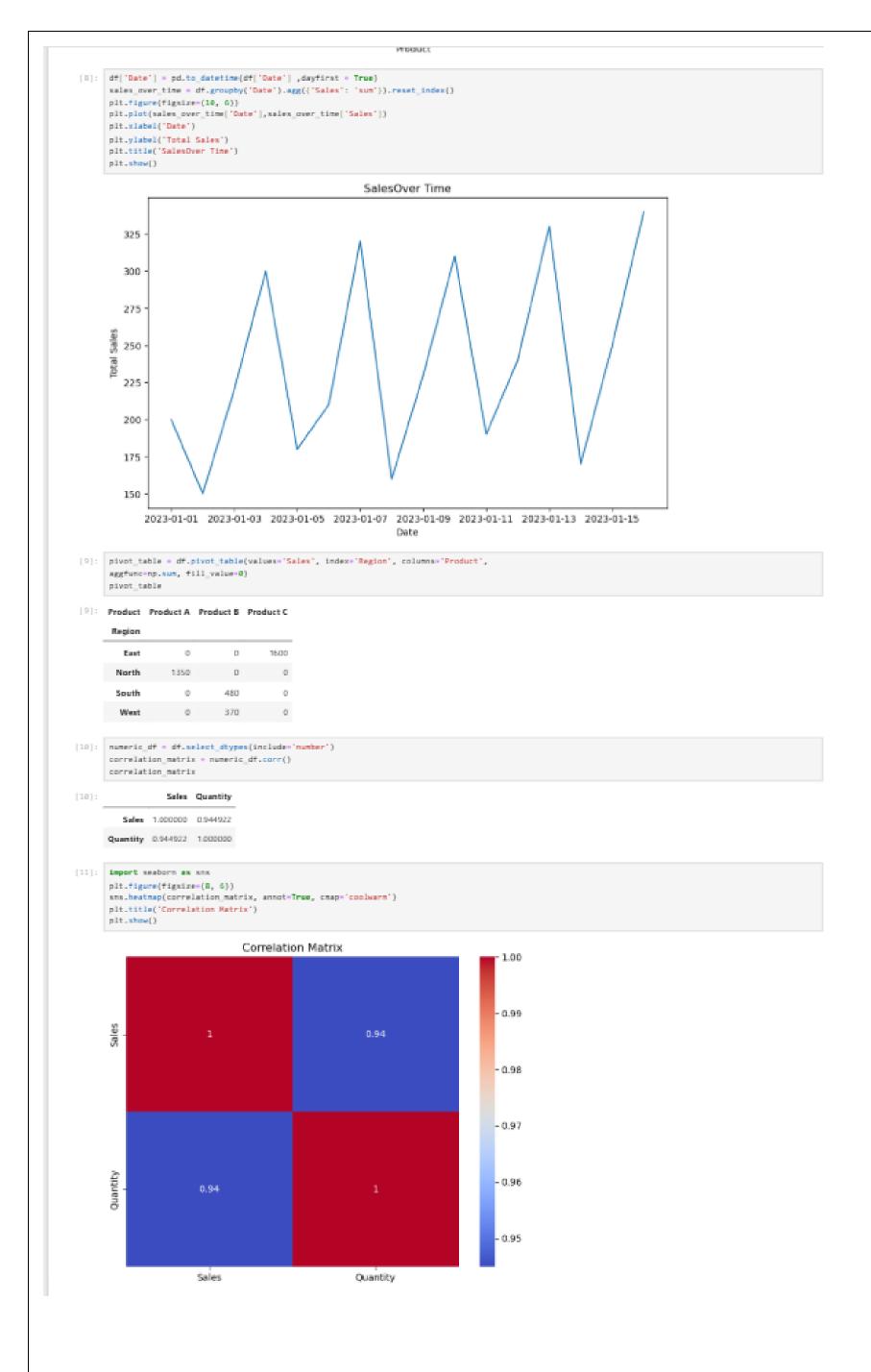
To write the Python program to understand and perform basic data analysis operations using the Pandas library on the given dataset.

### Algorithm:

- 1. Load the dataset using Pandas and preview its contents.
- 2. Check for missing values and handle them using appropriate methods.
- 3. Generate summary statistics to understand the data distribution.
- 4. Group the data based on a categorical column to summarize key metrics.
- 5. Prepare the grouped data for visualization.
- 6. Create a bar chart to represent total sales by product.

## **Program:**





# Result:

Thus, the Python program is executed successfully for analyzing the given dataset using basic Pandas operations and visualizing the results.