# 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:**

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**Result:**

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