CASE 1:

Case Scenario: Analyzing a Coffee Shop's Daily Sales
Objective:
You work as a junior data analyst at a local coffee shop, Brewed Delight, and the manager wants to understand the shop's sales performance for the past month. The data is stored in a Google Sheet, and your task is to retrieve the data using Python, clean it, and perform some basic analysis such as:

- Total sales per day.
- Average sales for the month.
- Highest-selling coffee type.

Tools:

- Google Sheets: Stores the daily sales data.
- Python: For data analysis (we will use the gspread and pandas libraries).

Dataset: Coffee Shop Sales Data
You have a dataset for the sales recorded in September 2023, with the following columns:

- Date: The date of sales.
- Coffee Type: The type of coffee sold.
- Units Sold: Number of coffee cups sold.
- Total Sales ($): The total sales amount for the day.

Questions:

1. What is the total sales amount for each day?
2. What is the average daily sales amount?
3. Which coffee type sold the most units overall?
4. What is the total number of units sold for each coffee type?
5. Visualize daily sales using a line plot.