Data Cleaning Summary

1. Handled Missing Values:

- Replaced empty strings with NaN (missing values).

- Found 1 missing value in the 'Order Date' column.

2. Removed Duplicate Rows:

- Removed 1 exact duplicate row (duplicate Order ID 1004).

3. Standardized Text Values:

- Converted all 'Gender' values to lowercase (e.g., 'Female' -> 'female').

- Standardized 'Country' names (e.g., 'USA', 'U.S.A' -> 'United States').

4. Converted Date Format:

- Converted 'Order Date' to datetime format (day-first: dd/mm/yyyy).

- Handled invalid/missing dates using 'errors="coerce"'.

5. Renamed Column Headers:

- Renamed headers to lowercase with underscores (e.g., 'Order Date' -> 'order_date').

6. Checked and Fixed Data Types:

- 'quantity': int

- 'price', 'total': float

- 'order_date': datetime64