Task 02 - Custom DataFrame Transformation

This task demonstrates how to implement custom transformations in a pandas DataFrame using apply and groupby.

Transformations Applied:

1   1. Created a new column `TotalPrice = Quantity * Price`.
2   2. Implemented custom function `discounted_revenue` using apply to calculate discounted revenue.
3   3. Generated `DiscountedRevenue = TotalPrice * (1 - Discount)`.

GroupBy Operation:

Grouped the data by `Quantity` and calculated the average DiscountedRevenue.

Observations:

1   apply() is powerful for row-wise or column-wise custom calculations.
2   groupby() efficiently summarizes data by categorical features.
3   Combining apply and groupby enables flexible data analysis pipelines.