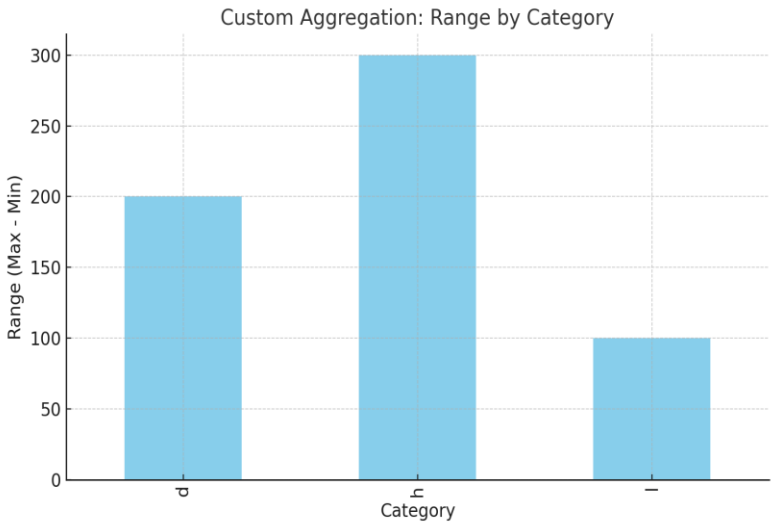
Task Report:

1. **Task Description**
   This task involves analyzing data grouped by categories to compute a custom aggregation function. Specifically, the function calculates the range (difference between the maximum and minimum values) for each category. A bar plot is then generated to visualize the calculated range for each category.
2. **Task Output Screenshot**



3.Widget/Algorithm Used In Task

Data Aggregation Algorithm:

- The calculate_range function calculates the range by finding the difference between the maximum and minimum values in a group. It uses Pandas' groupby method to group the data by the Category column and applies this custom aggregation function.
- This approach is efficient for grouping and summarizing data.

Visualization Widget:

- A bar plot is created using Matplotlib to visually compare the range of values for each category.
- Key customizations include:
- ax.set_title: Adds a descriptive title to the chart.
- ax.set_xlabel & ax.set_ylabel: Labels the axes for clarity.
- ax.grid: Adds grid lines to improve readability.