**[Que-50.1] - What is the difference between Series & Dataframes.**

### **Difference between Series and DataFrame**

1. **Dimensionality**:
   * **Series**: One-dimensional.
   * **DataFrame**: Two-dimensional.
2. **Structure**:
   * **Series**: Single column of data with an index.
   * **DataFrame**: Multiple columns of data with both row and column indices.
3. **Use Case**:
   * **Series**: Suitable for operations on a single column or a single list of values.
   * **DataFrame**: Suitable for operations on tabular data involving multiple columns and rows.
4. **Element Access**:
   * **Series**: Elements accessed using a single index.
   * **DataFrame**: Elements accessed using row and column indices.
5. **Methods**:
   * **Series**: Methods like .sum(), .mean(), .apply(), specific to single column operations.
   * **DataFrame**: Methods like .groupby(), .merge(), .pivot(), suitable for complex data manipulations.