Report

1. An explanation of the partitioning strategy:

The rationale for choosing monthly range partitioning based on sale\_date

1. Step-by-step documentation:

The steps taken to implement the partitioned table

1. Maintenance strategy:

The approach, rationale, and schedule for partition maintenance

1. Personal reflection:

Personal learning outcomes and challenges faced during the task

1. Using this partitioning strategy simplifies the scalability of data and makes it easier and more convenient to maintain it.

2.1 Creation of database and main table sales\_data .

2.2 Define the partitioning strategy using monthly range partitioning.

* 1. Create individual partitions for each month.

3. I use automatic maintenance through sql functions. Regularly prune partitions older than 12 months to maintain optimal performance and storage efficiency.

4. I have learnt how to efficiently work with a lot of data using partitioning. I haven’t had any challenges working on this task.