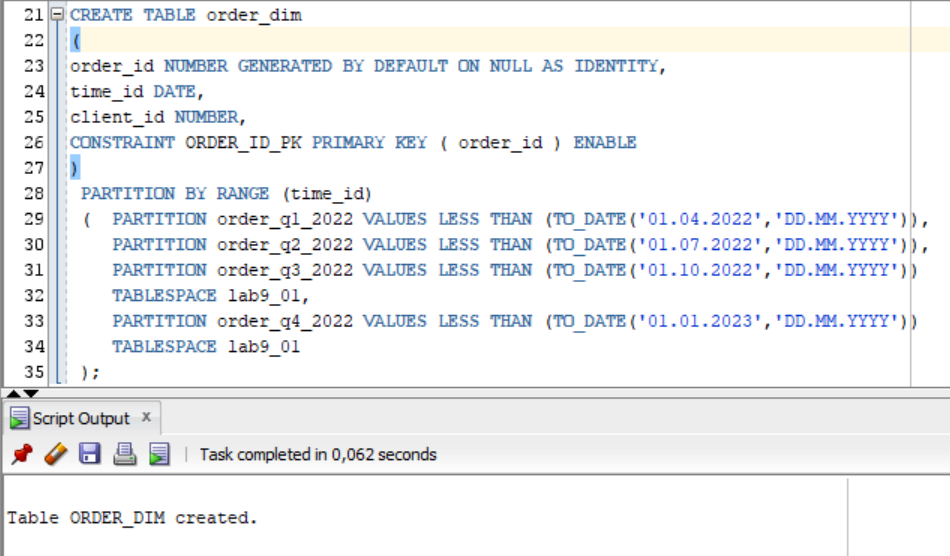
**Lab report #9**

**Sadovskaya Veronika**

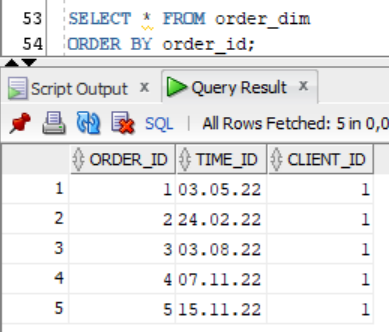
**Task 1 - CREATE Example of Range partitioning**

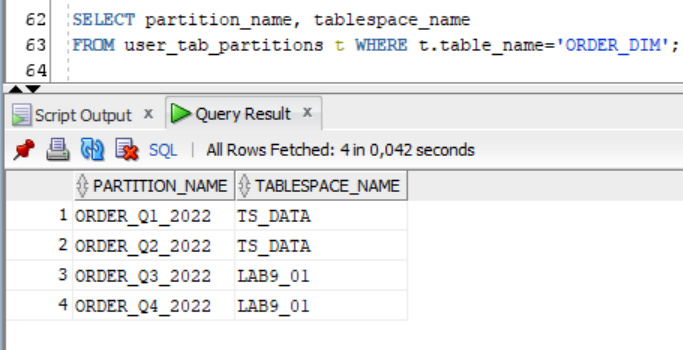
1. **Range Composite**

Create table using Range Partitioning

****

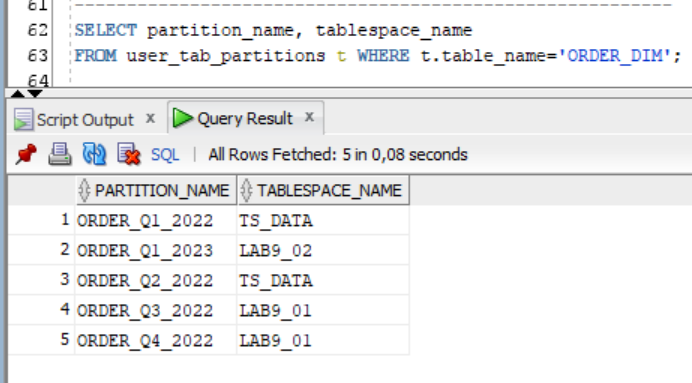
Select from table



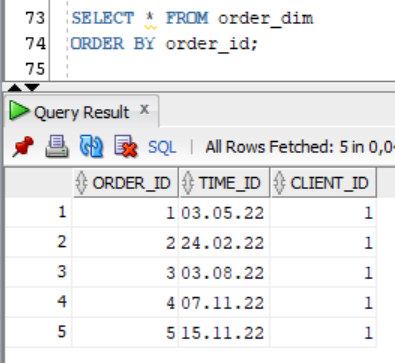
****

1. **Add partition**

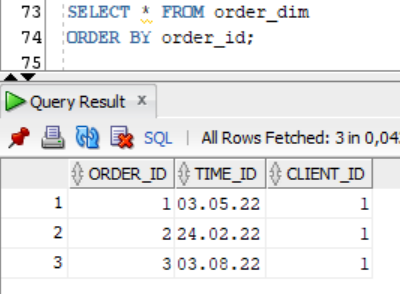


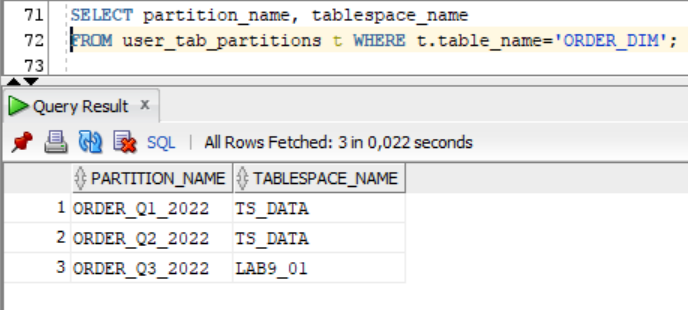


1. **Drop partition**

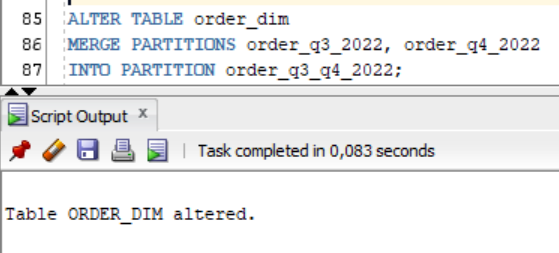


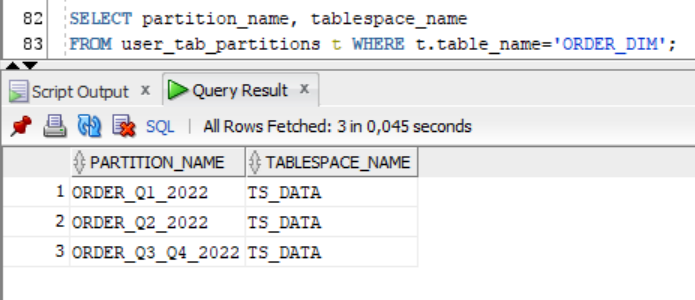




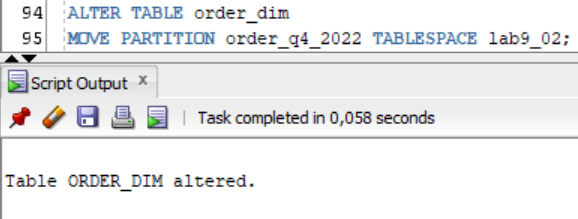


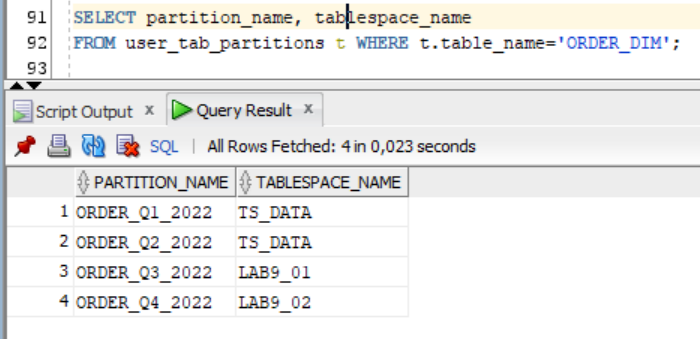
1. **Merge partitions**

****

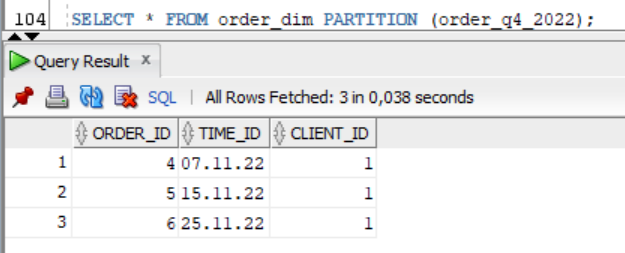
****

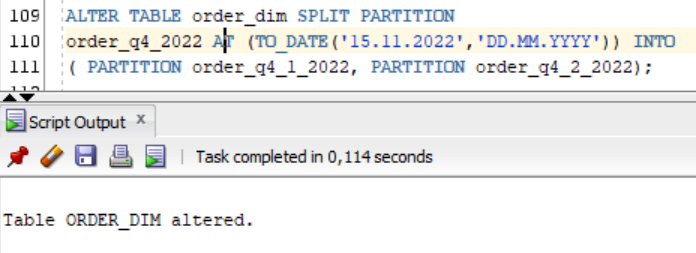
1. **Move partition**

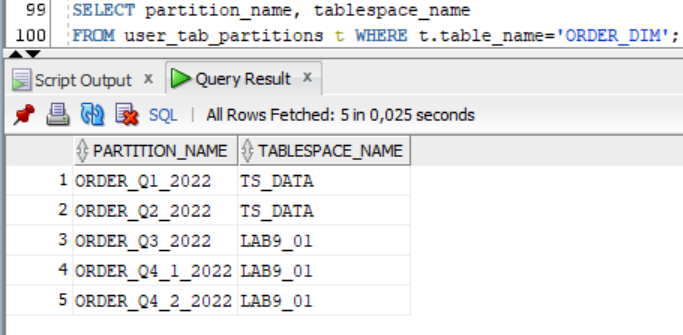
****

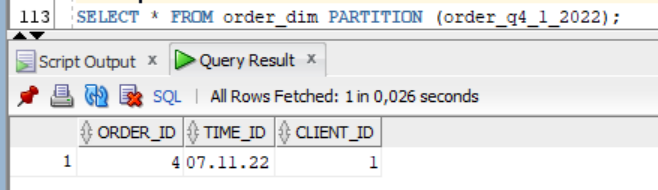
****

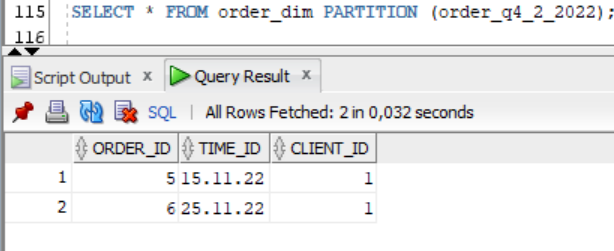
1. **Split partition**

****

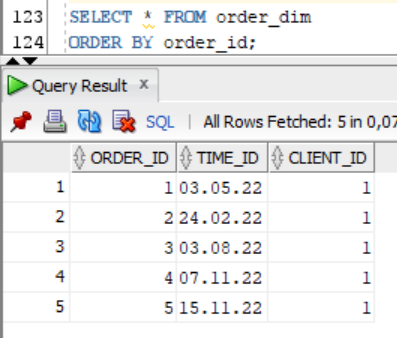
****

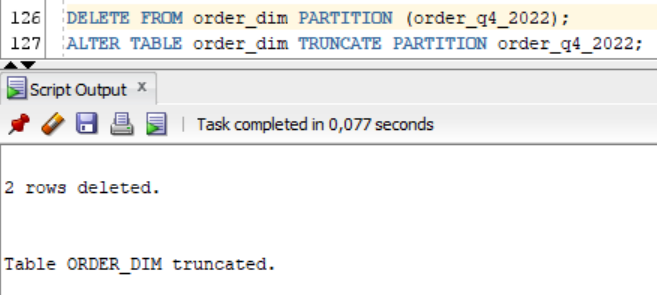
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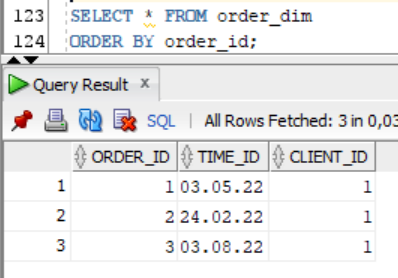
****

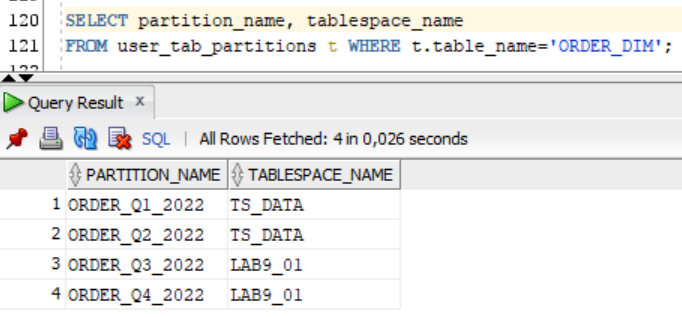
****

1. **Truncate partition**

****

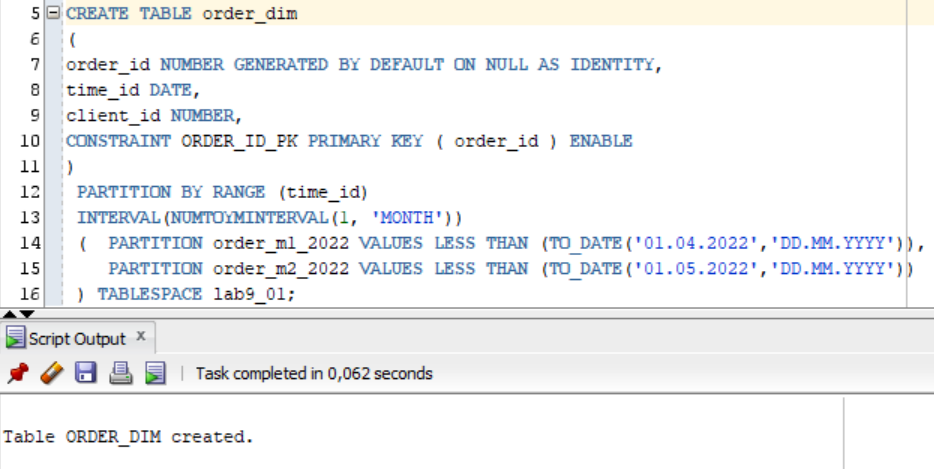
****

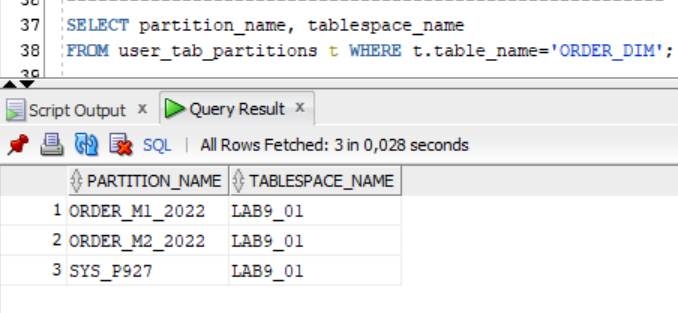
****

****

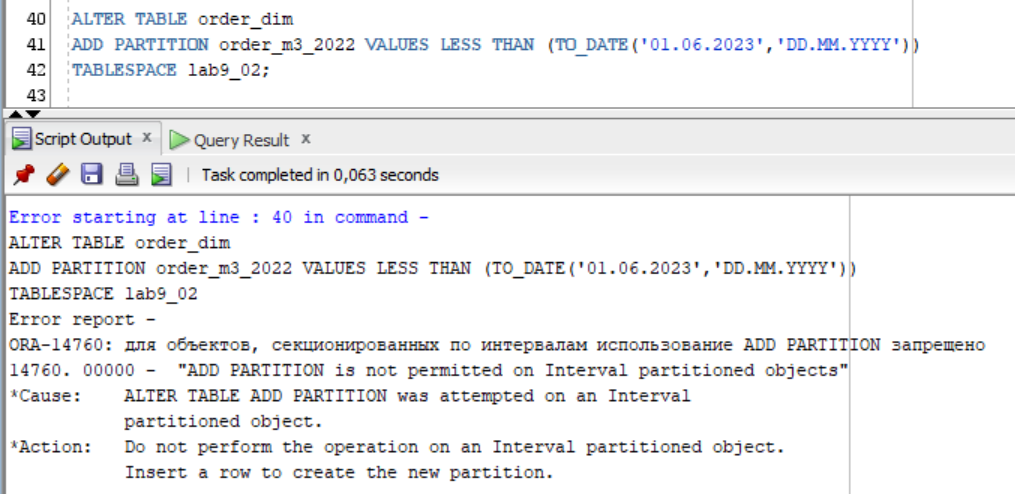
1. **Interval Composite**

Create table using Interval partitioning

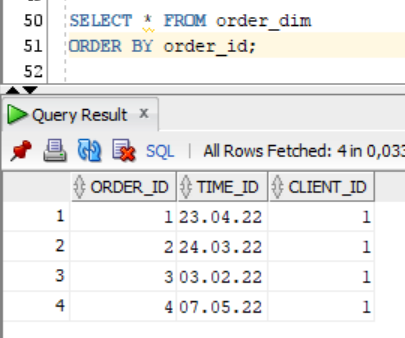




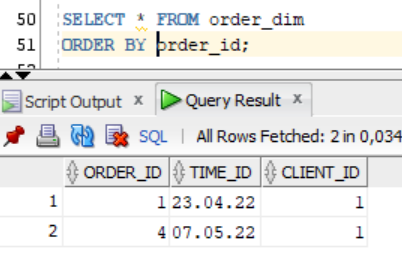
1. **Add partition**

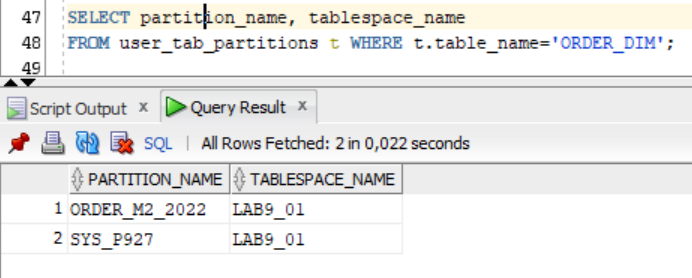
****

1. **Drop partition**

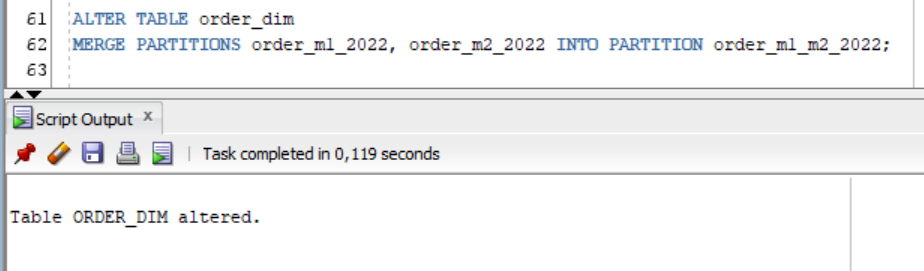
****

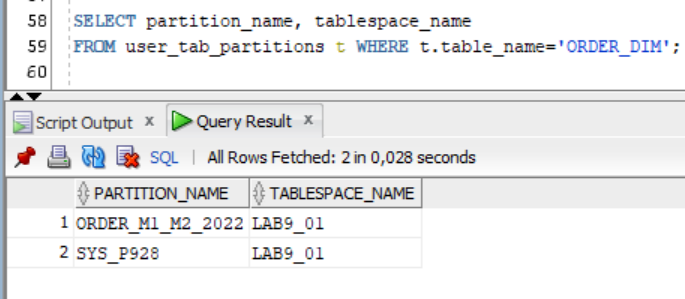
****

****

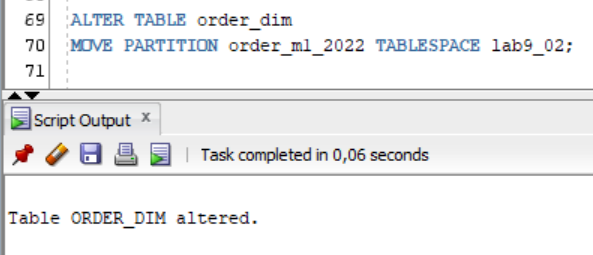
****

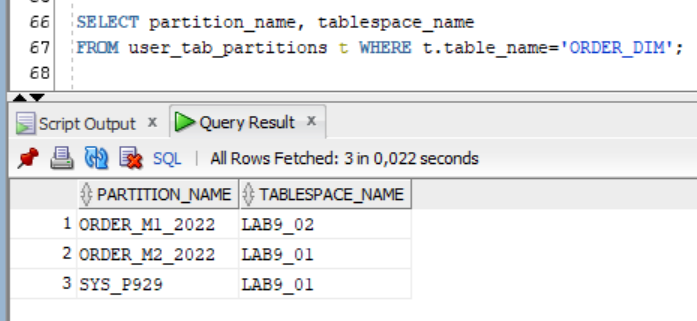
1. **Merge partitions**

****

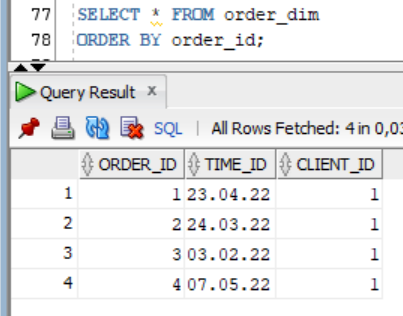
****

1. **Move partition**

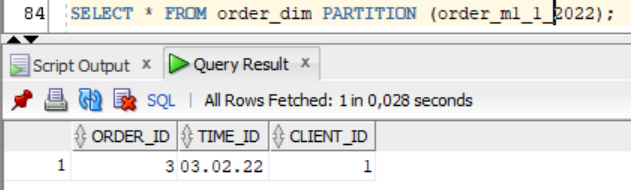
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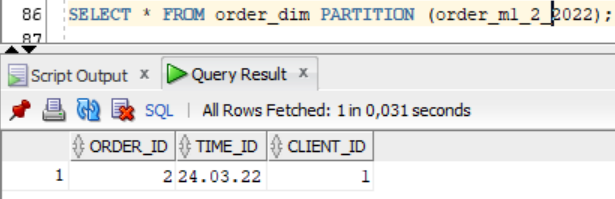
****

1. **Split partition**

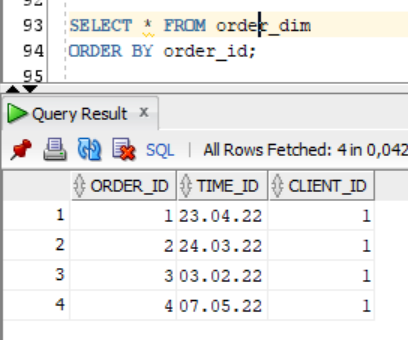
****

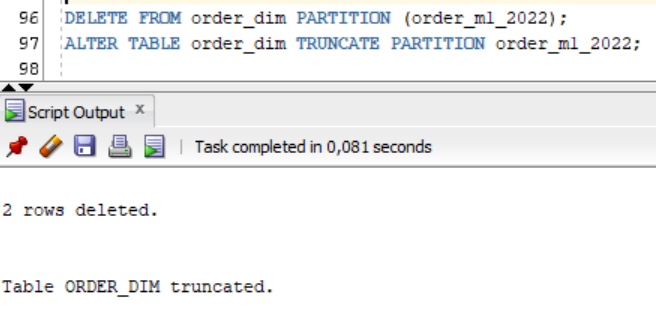
****

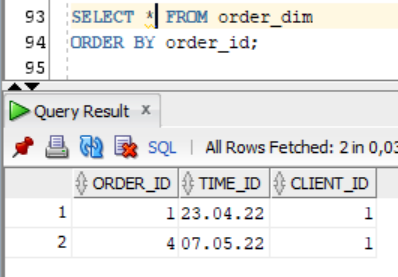
****

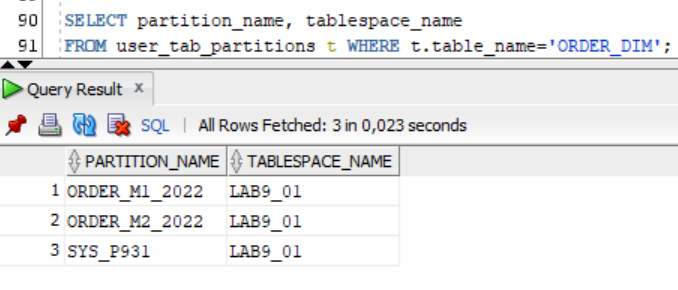
****

1. **Truncate partition**

****

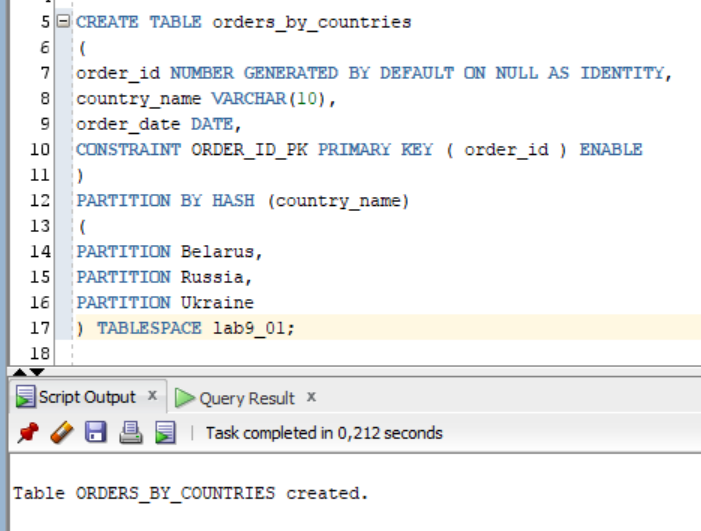
****

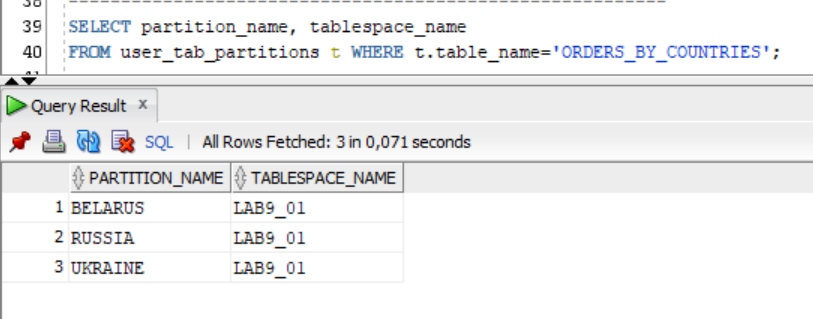
****

****

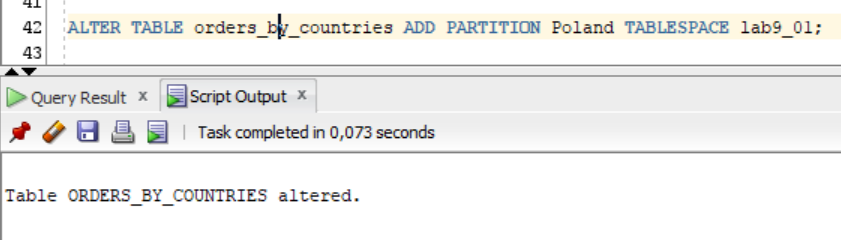
1. **Hash**

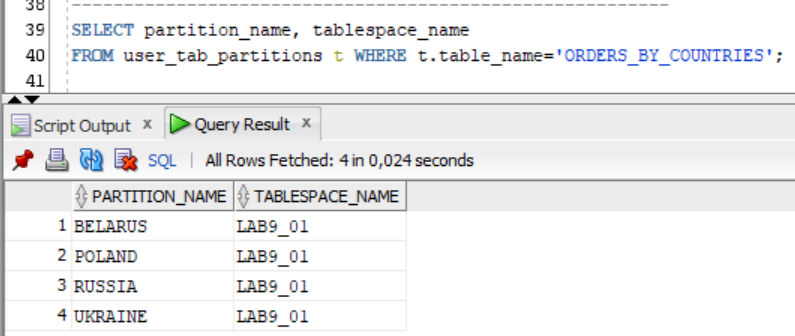
Create table using Hash partitioning



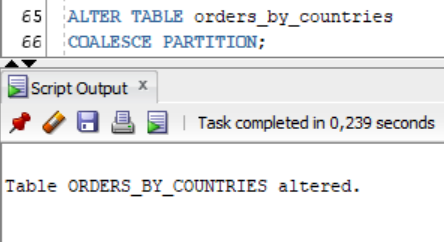


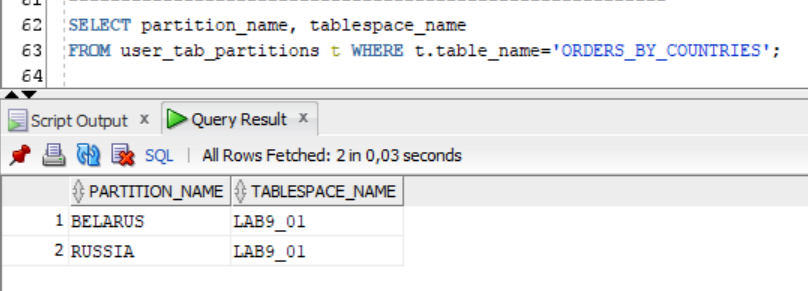
1. **Add partitions**

****

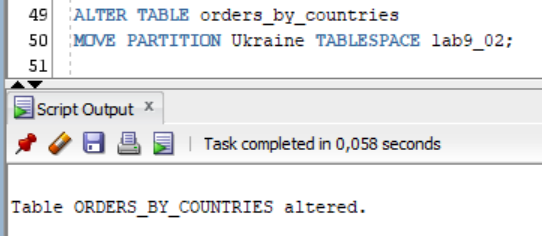
****

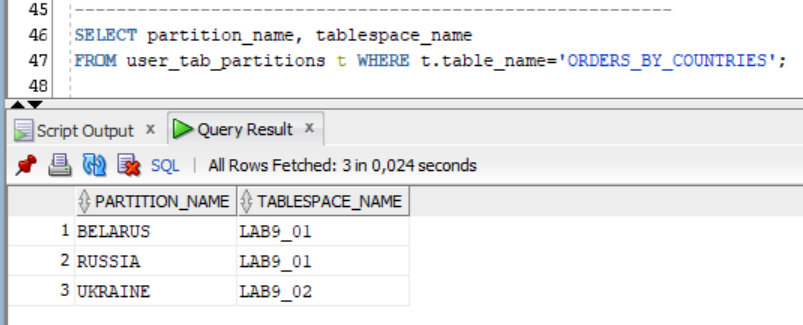
1. **Coalesce partition**

****

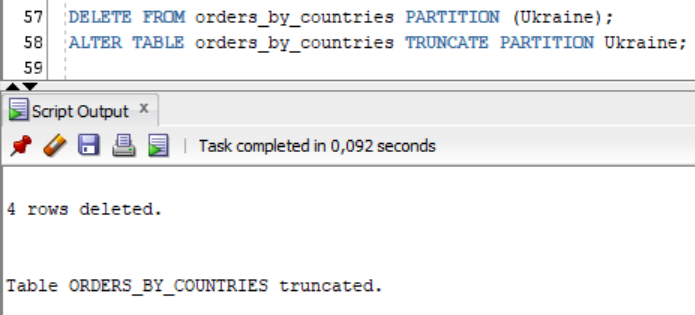
****

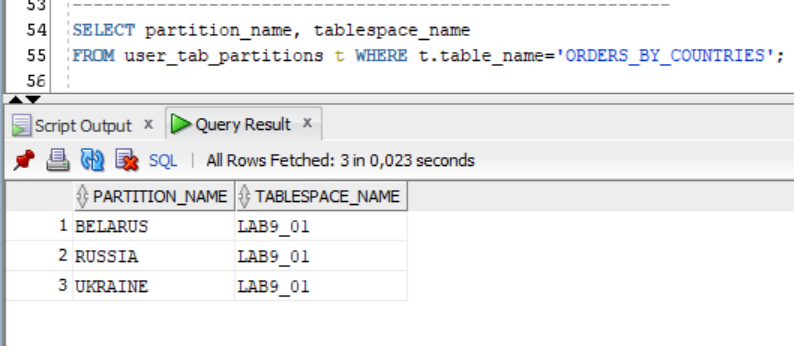
**c) Move partition**

****

****

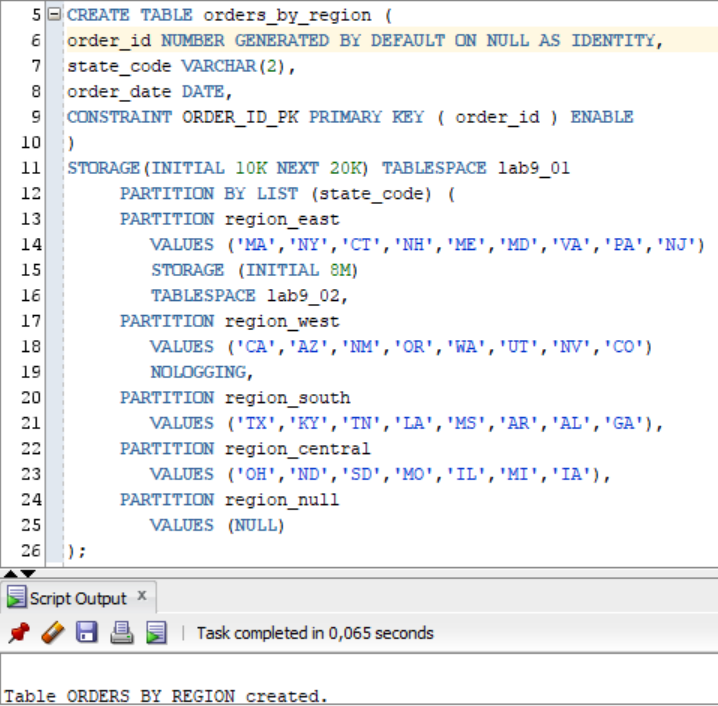
**d) Truncate partition**

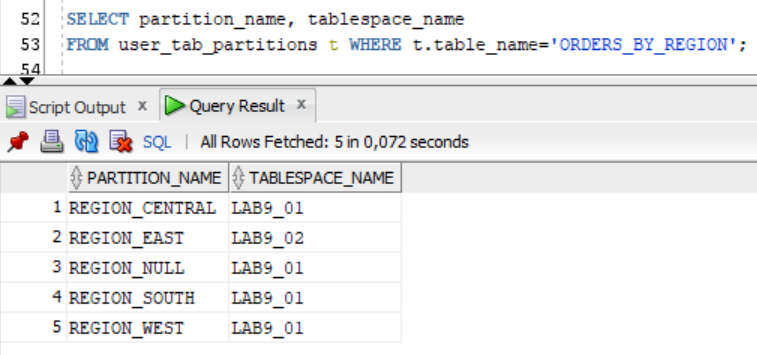
****

****

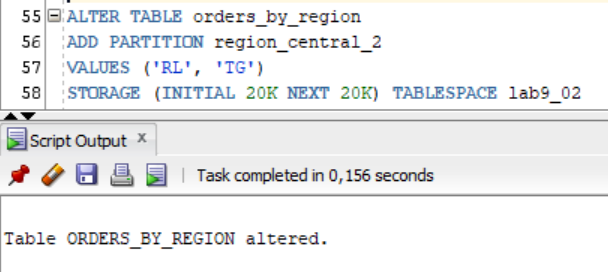
1. **List Composite**

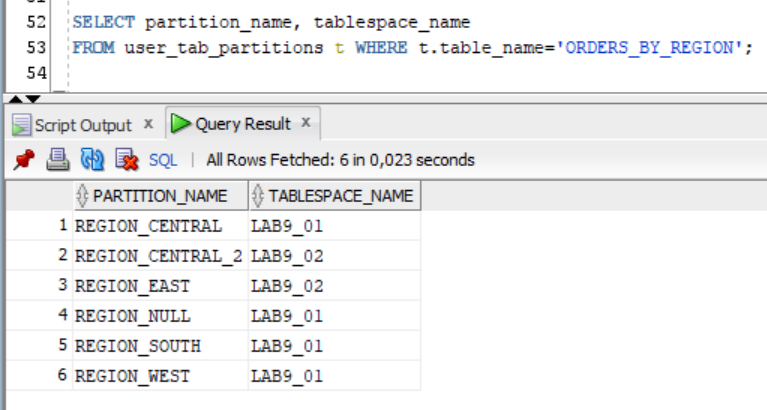
Create table using list partitioning



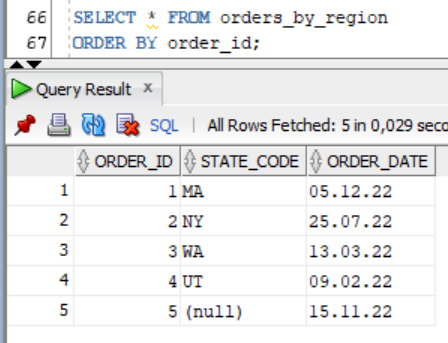


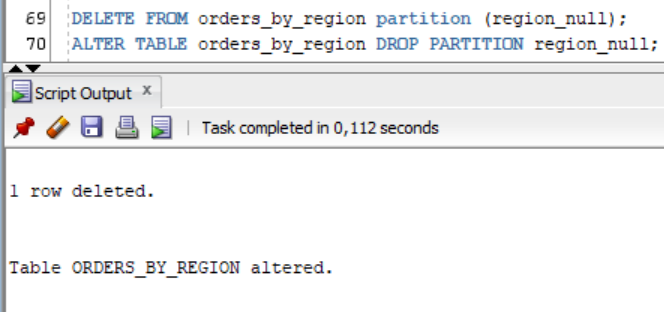
1. **Add partition**

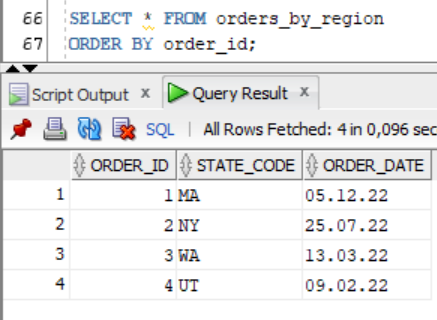
****

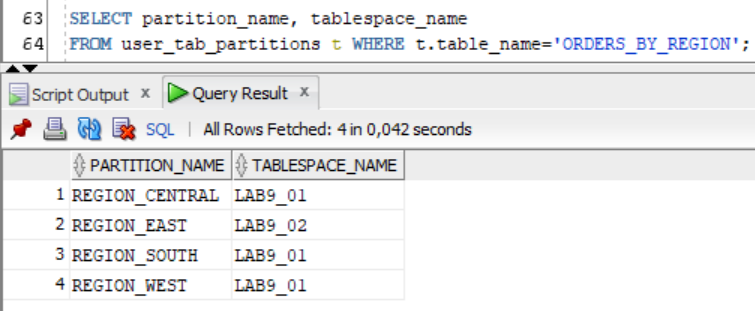
****

1. **Drop partition**

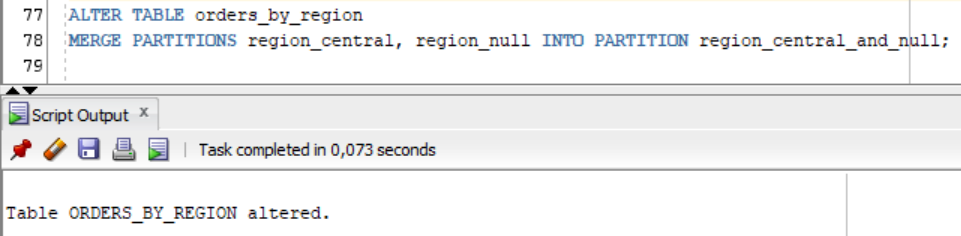
****

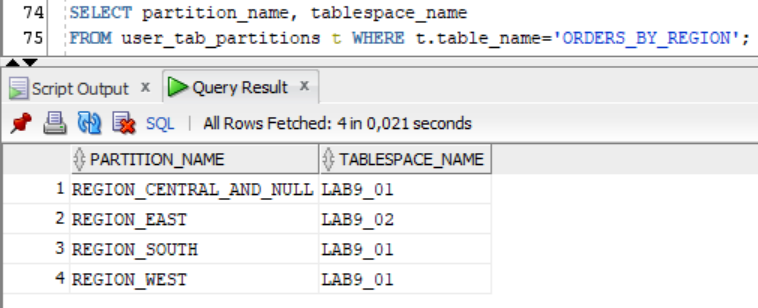
****

****

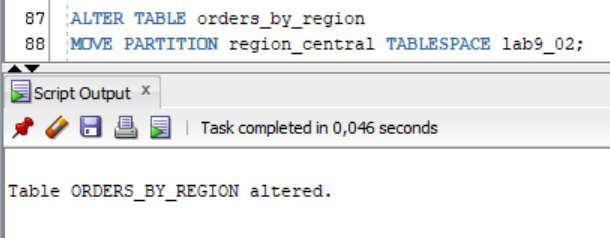
****

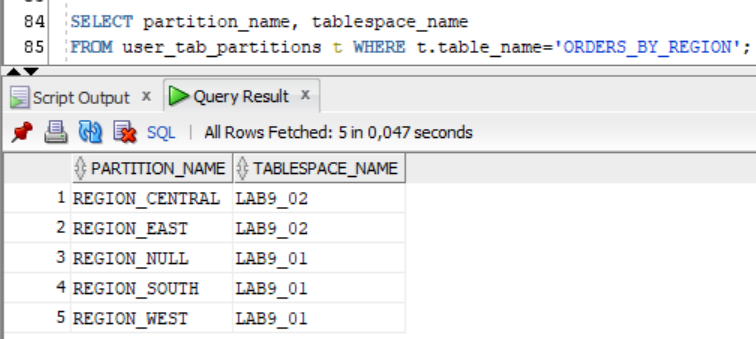
1. **Merge partitions**

****

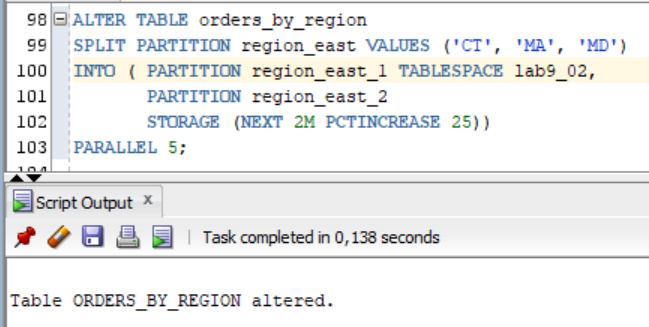
****

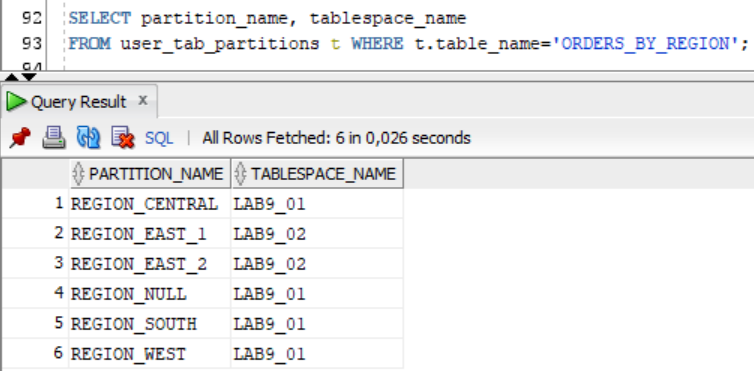
1. **Move partition**

****

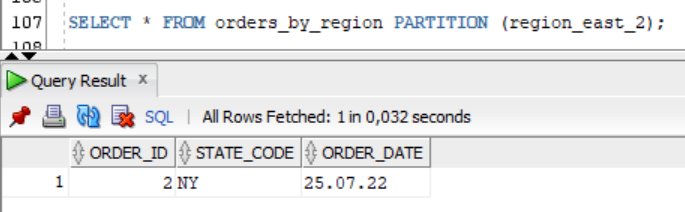
****

1. **Split partition**

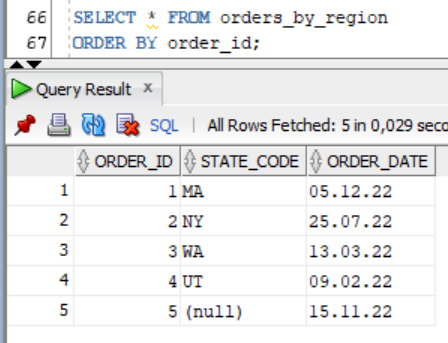
****

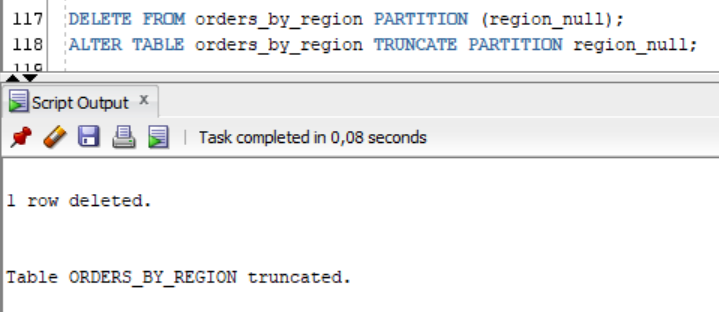
****

****

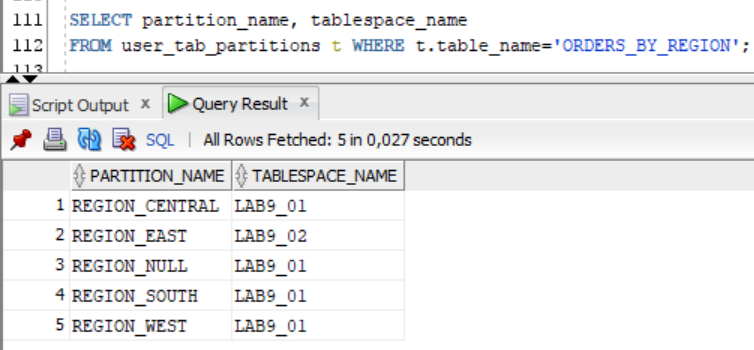
****

**f) Truncate partition**

****

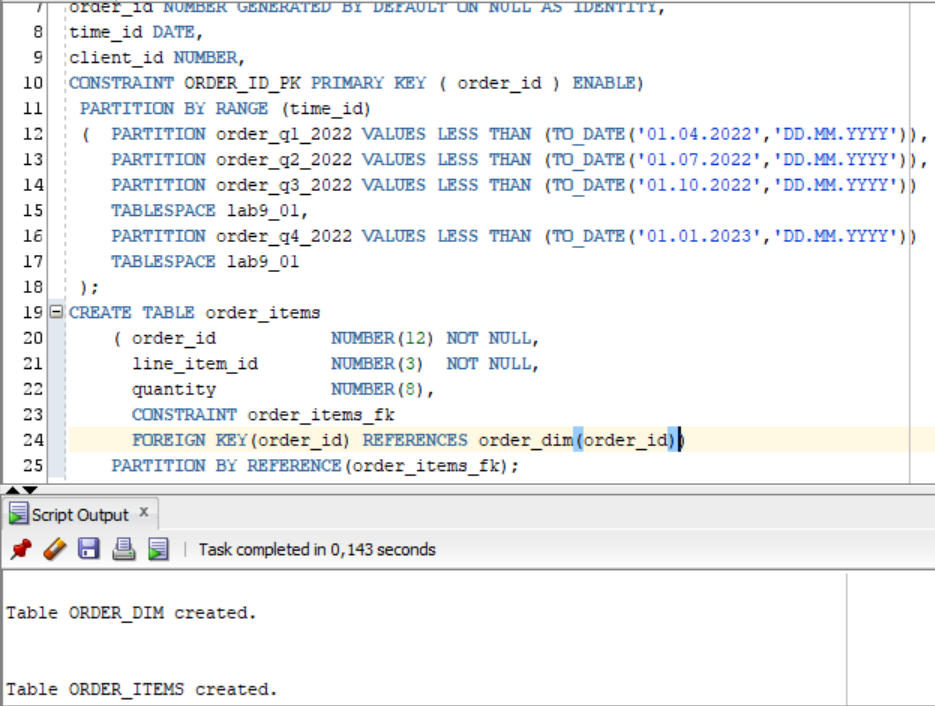
****

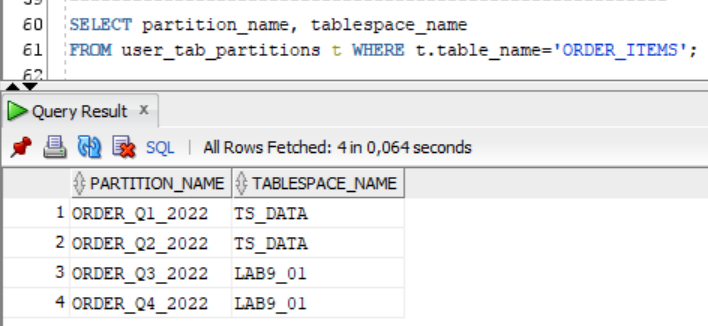
****

****

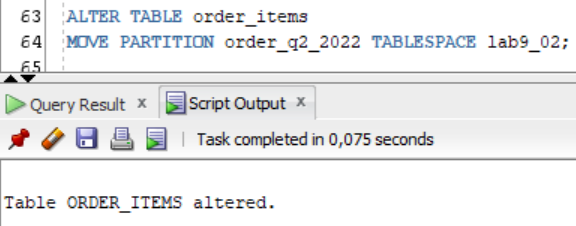
1. **Reference**

Create table using Reference partitioning



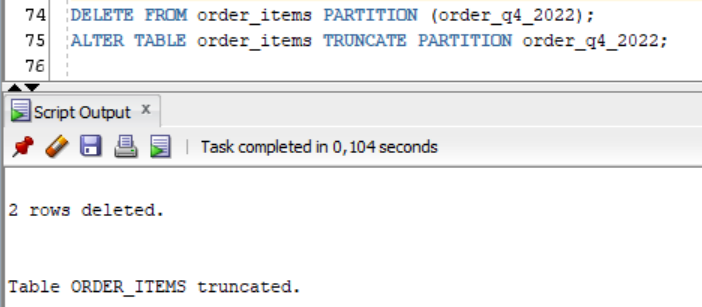


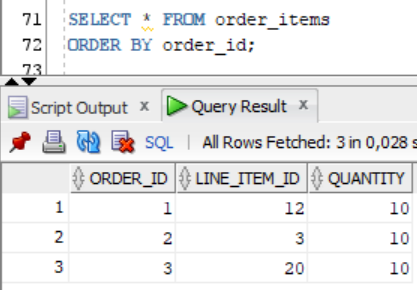
1. **Move partition**

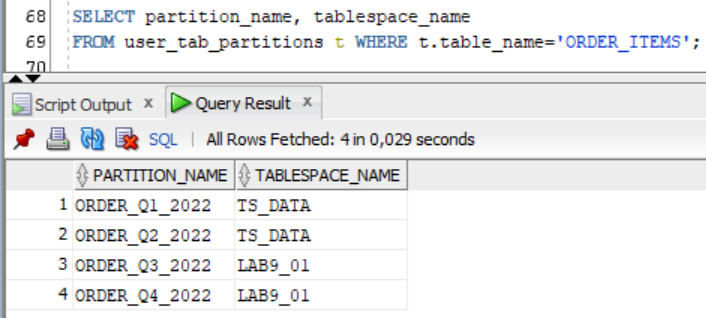
****

****

**b) Truncate partition**

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**Task 2 - Partitioning Facts**

The orders are divided by quarters using range partitioning by DATE\_ID. The quarters are divided using hash partitioning by CLIENT\_ID.

Example of a result table of facts with partition taken into account:

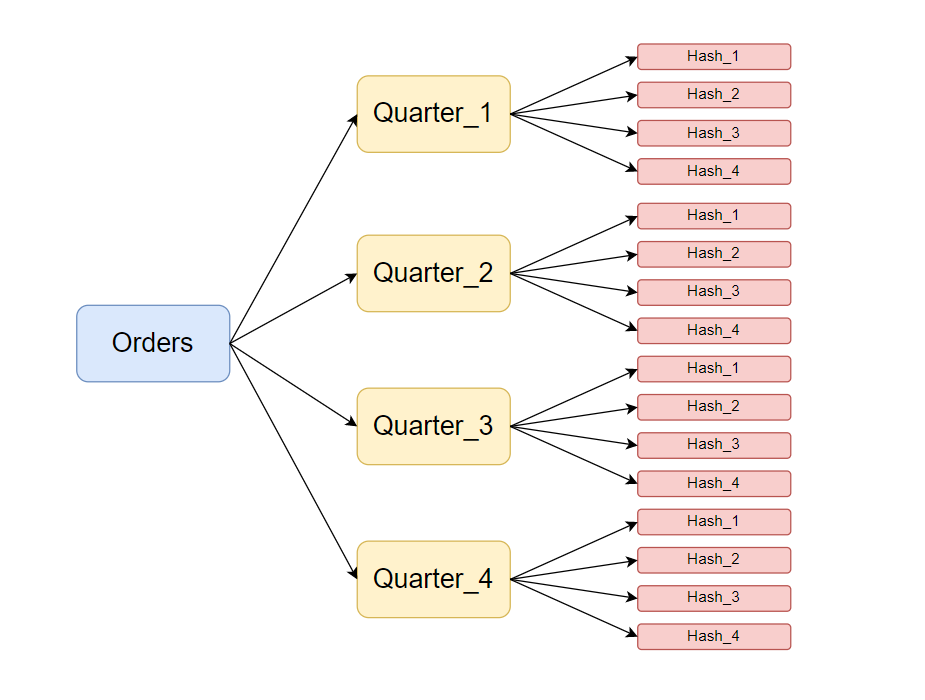
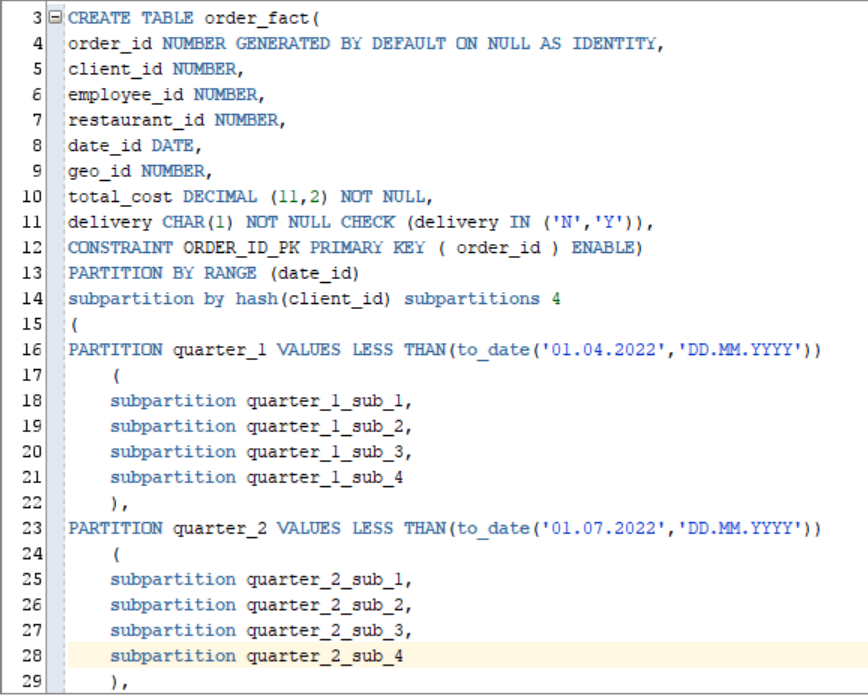
****

Table with the suggested partition option:

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