DBMS LAB ASSGMENT 7

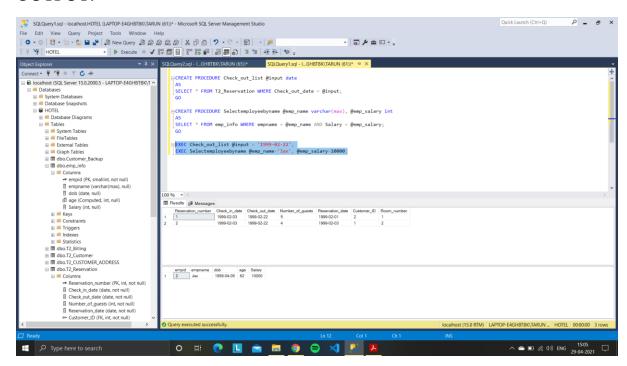
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Group number: 2(Hotel Database)

Q1) Write two stored Procedures relevant to your database.

OUTPUT:

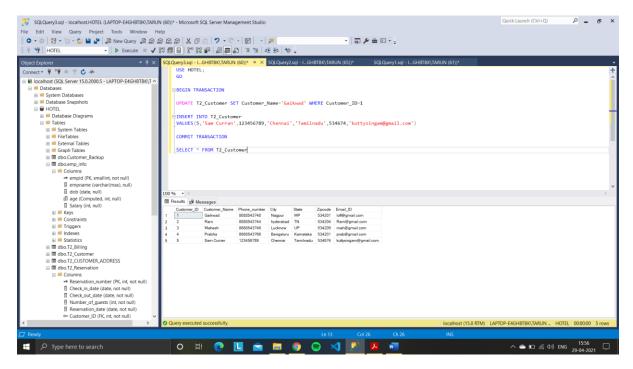


- Q2) Write a transaction to illustrate atomicity (related to your database)
- T2_Customer table before transaction:



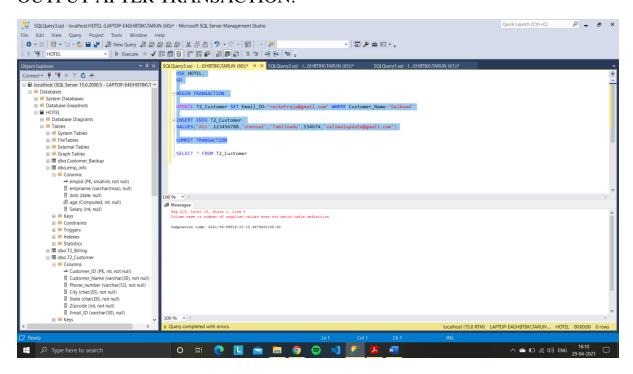
Now we will start the transaction to check the atomicity

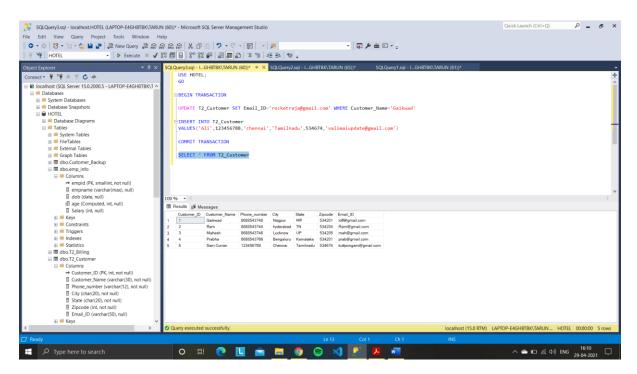
OUTPUT AFTER TRANSACTION IS SUCCESSFUL:



This time we will insert wrong information in the Customers table to fail the insertion deliberately.

OUTPUT AFTER TRANSACTION:

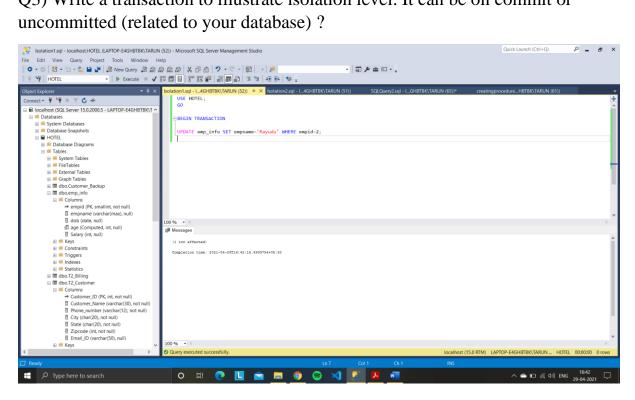




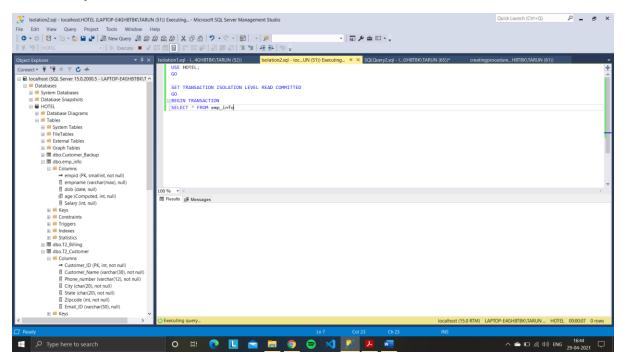
As we could see here when error occurs in the transaction it got rolled back so the table has its previous values and didn't get updated.

It means all the statements inside a transaction should either succeed or fail as a unit. So this is the atomicity property.

Q3) Write a transaction to illustrate isolation level. It can be on commit or uncommitted (related to your database)?



This transaction in one window is not yet committed so now in other window we will try to access the table



As we can see sql server shows that the query is executing but it is not giving any output.

As you can see from the above acid properties screenshot, the select statement is not returning any information. Because we can't access one transaction result without completing the transaction. This is the isolation property.