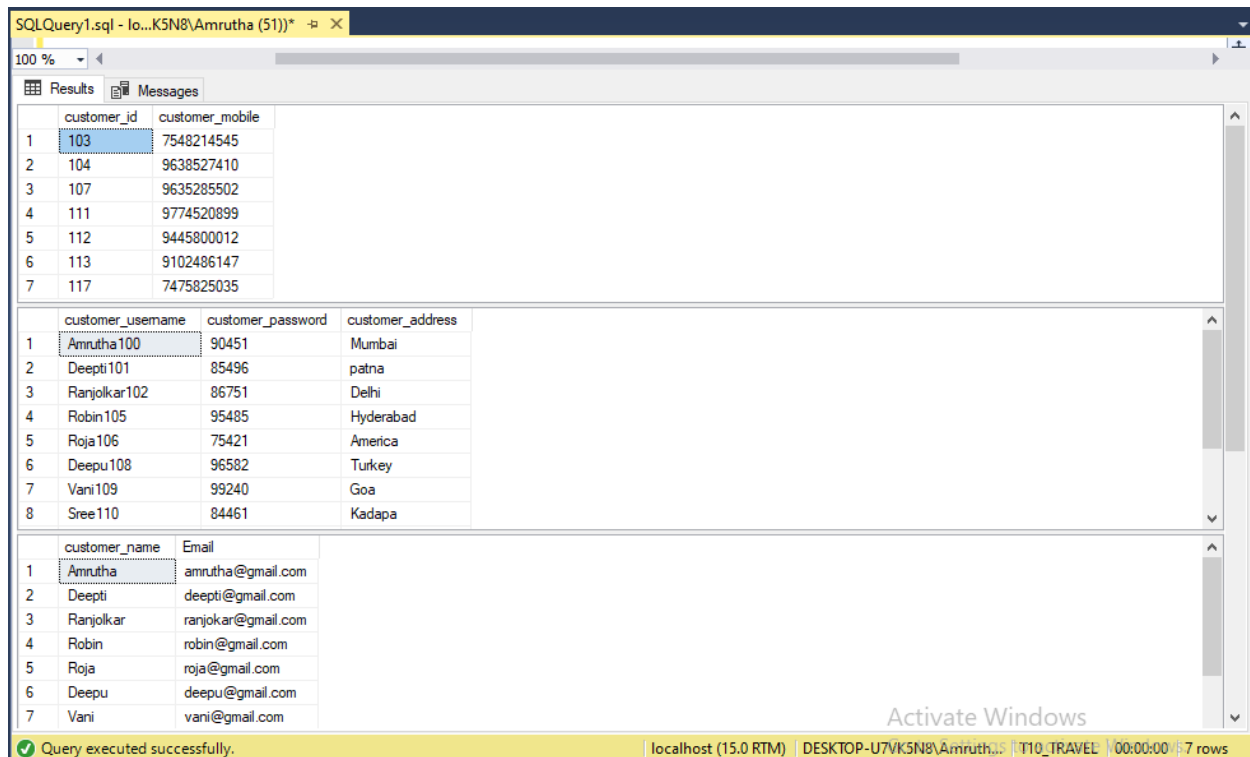# DBMS LAB ASSIGNMENT 4
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19BCS048

1. Write 5 Nested Queries for travel database.

SELECT customer_id, customer_mobile from T10_customerdetails WHERE customer_id IN (SELECT customer_id from T10_bookingdetails Where booking_type ='offline')

SELECT customer_username, customer_password,customer_address from T10_customerdetails WHERE customer_id IN (SELECT customer_id from T10_bookingdetails Where booking_type ='online')

SELECT customer_name, Email from T10_customerdetails WHERE customer_id IN (SELECT customer_id from T10_bookingdetails Where booking_type ='online')

SELECT booking_id, booking_hotel_id from T10_bookingdetails WHERE booking_id IN (SELECT booking_id from T10_bookingdetails Where booking_title ='single')

SELECT booking_id,booking_type, booking_date from T10_bookingdetails WHERE booking_id IN (SELECT booking_id from T10_bookingdetails Where booking_title ='single')

2.Illustrate how we can use CONCAT and AS operators in SQL

```sql
USE T10_TRAVEL
SELECT CONCAT(customer_name, ' ', lastname) AS full_name FROM T10_customerdetails
SELECT customer_id, customer_mobile AS contact_details FROM T10_customerdetails;
SELECT TOP 5 CONCAT(booking_title, ', ', booking_type) AS booking FROM T10_bookingdetails
WHERE booking_title = 'single';
```

3.Illustrate all the Comparison operators

SELECT customer_id, customer_name, lastname FROM T10_customerdetails WHERE age = 20;

SELECT customer_id FROM T10_customerdetails WHERE age = '20';

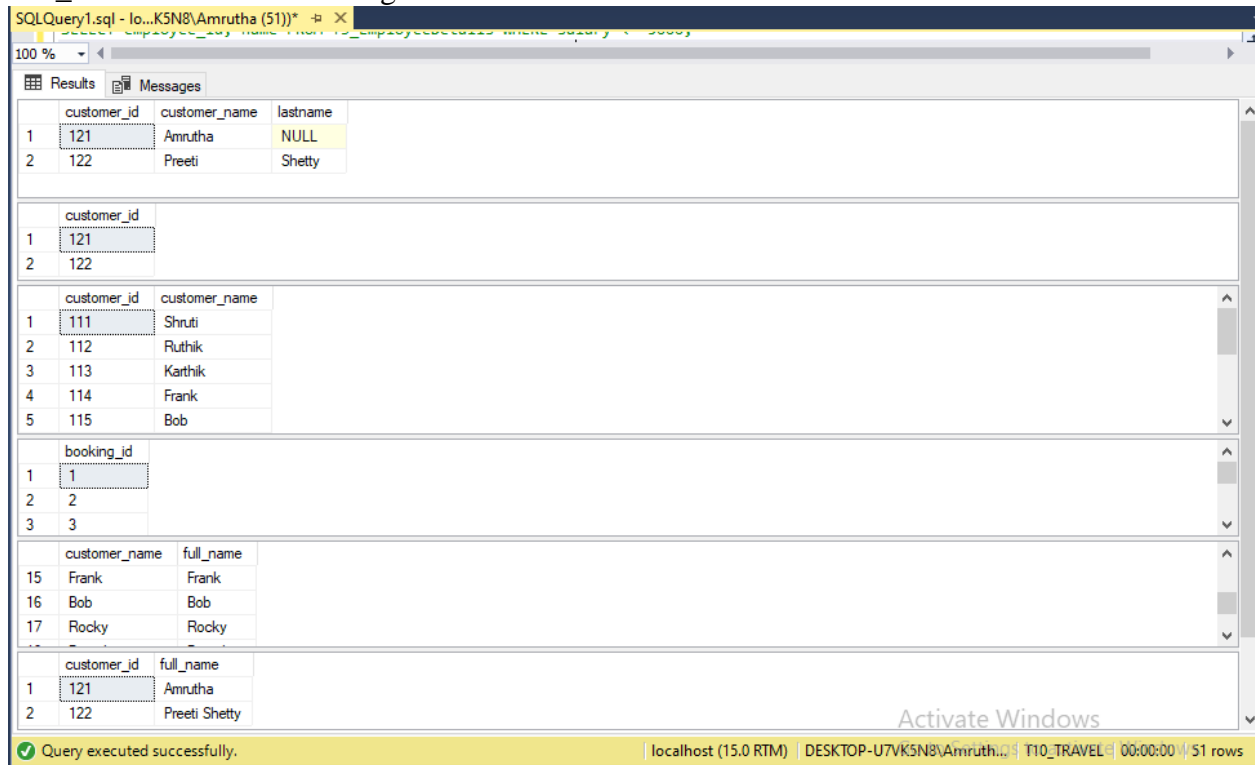SELECT customer_id, customer_name FROM T10_customerdetails WHERE customer_id > 110;

SELECT booking_id FROM T10_bookingdetails WHERE customer_id < 110;

SELECT customer_name, CONCAT(customer_name, ' ', lastname) AS full_name FROM T10_customerdetails

SELECT customer_id, CONCAT(customer_name, ' ', lastname) AS full_name FROM T10_customerdetails where age >=20

SELECT customer_id, CONCAT(customer_name, ' ', lastname) AS full_name FROM T10_customerdetails where age <=30

4.Illustrate Logical operators except ANY, ALL and LIKE

SELECT customer_name FROM T10_customerdetails
WHERE customer_id = ANY (SELECT customer_id FROM T10_bookingdetails WHERE booking_title='single')

SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_id = ANY (SELECT customer_id FROM T10_bookingdetails WHERE booking_type='online')

SELECT customer_mobile, customer_name FROM T10_customerdetails

WHERE customer_id = ALL(SELECT customer_id FROM T10_bookingdetails WHERE booking_type='online')
SELECT customer_username, customer_name FROM T10_customerdetails
WHERE customer_id = ALL(SELECT customer_id FROM T10_bookingdetails WHERE booking_title='single')
SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '%a%'
SELECT customer_id, Email FROM T10_customerdetails
WHERE customer_name LIKE '%an%'
SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '_a%'