**DBMS Lab Assignment-4**

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**Question 1: Write 5 Nested Queries for travel database.**

# Query –

SELECT first\_name, last\_name, phone FROM T3\_CustomerDetails WHERE customer\_id IN (SELECT customer\_id FROM T3\_BookingDetails WHERE payment\_Amount > 30000);

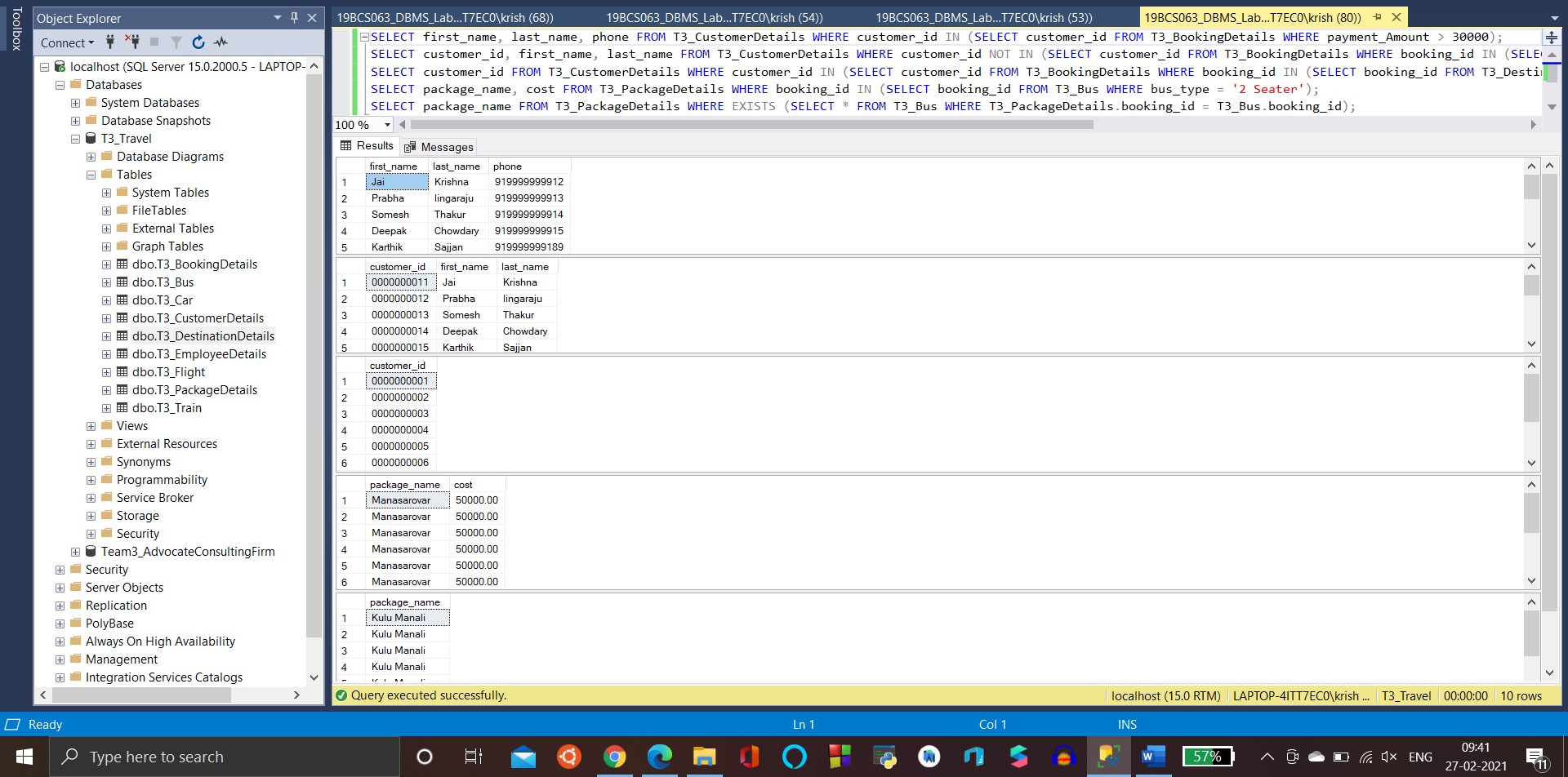
SELECT customer\_id, first\_name, last\_name FROM T3\_CustomerDetails WHERE customer\_id NOT IN (SELECT customer\_id FROM T3\_BookingDetails WHERE booking\_id IN (SELECT booking\_id from T3\_PackageDetails WHERE package\_name='KULU MANALI'));

SELECT customer\_id FROM T3\_CustomerDetails WHERE customer\_id IN (SELECT customer\_id FROM T3\_BookingDetails WHERE booking\_id IN (SELECT booking\_id FROM T3\_DestinationDetails WHERE hotel\_name = 'Raj Palace'));

SELECT package\_name, cost FROM T3\_PackageDetails WHERE booking\_id IN

(SELECT booking\_id FROM T3\_Bus WHERE bus\_type = '2 Seater');

SELECT package\_name FROM T3\_PackageDetails WHERE EXISTS (SELECT \* FROM T3\_Bus WHERE T3\_PackageDetails.booking\_id = T3\_Bus.booking\_id); **Database Output:**

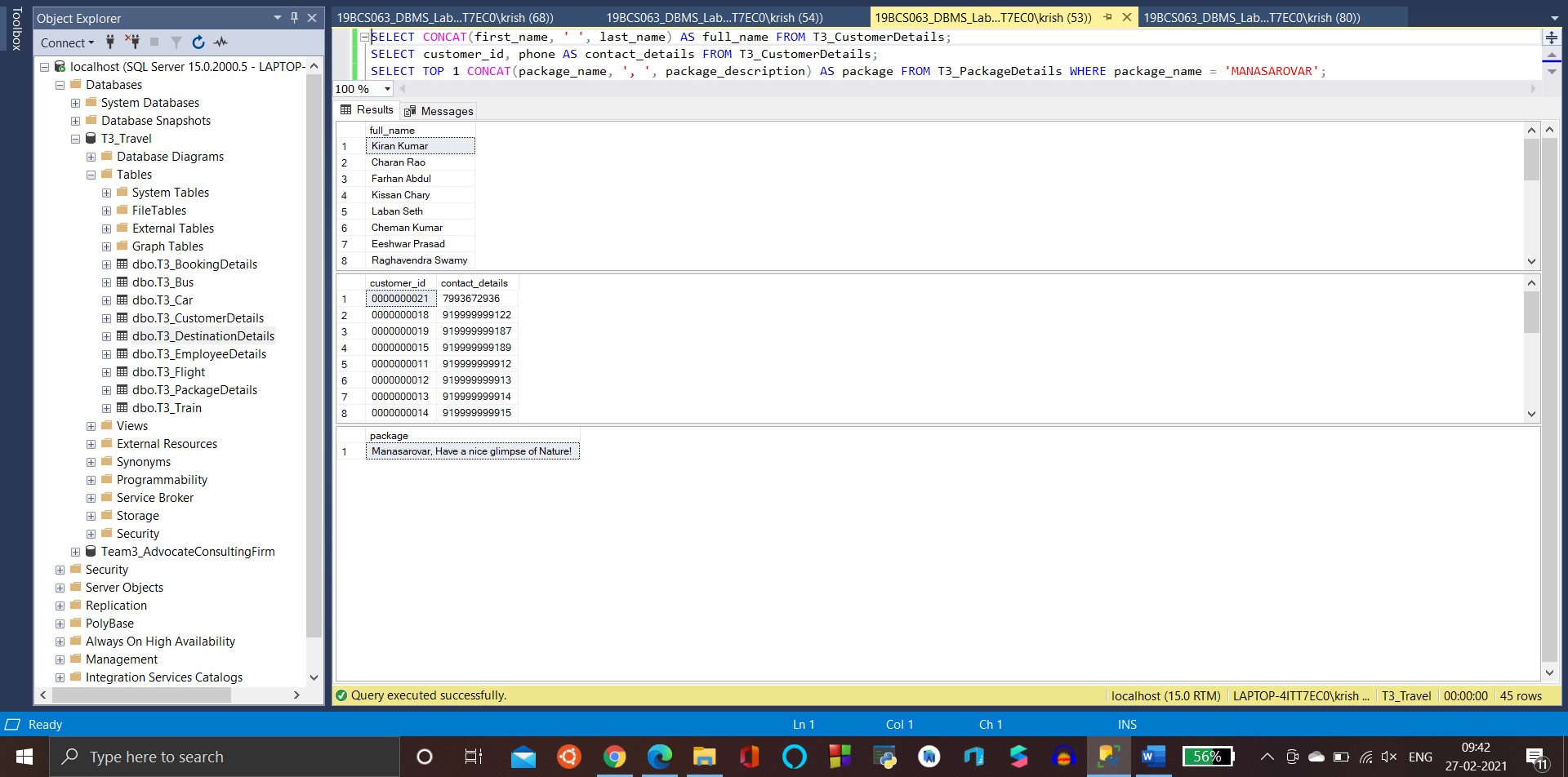


# Question 2: Illustrate how we can use CONCAT and AS operators in SQL Query –

SELECT CONCAT(first\_name, ' ', last\_name) AS full\_name FROM T3\_CustomerDetails;

SELECT customer\_id, phone AS contact\_details FROM T3\_CustomerDetails;

SELECT TOP 1 CONCAT(package\_name, ', ', package\_description) AS package FROM T3\_PackageDetails WHERE package\_name = 'MANASAROVAR'; **Database Output:**



# Question 3: Illustrate all the Comparison operators Query –

SELECT customer\_id, first\_name, last\_name FROM T3\_CustomerDetails WHERE age = 21;

SELECT TOP 1 package\_name FROM T3\_PackageDetails WHERE cost = 25000;

SELECT customer\_id FROM T3\_CustomerDetails WHERE gender <> 'M';

SELECT TOP 1 bus\_id, bus\_type FROM T3\_Bus WHERE bus\_id <> 8714;

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary > 10000;

SELECT customer\_id, CONCAT(first\_name, last\_name) AS full\_name FROM T3\_CustomerDetails WHERE age > 40;

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary < 8000;

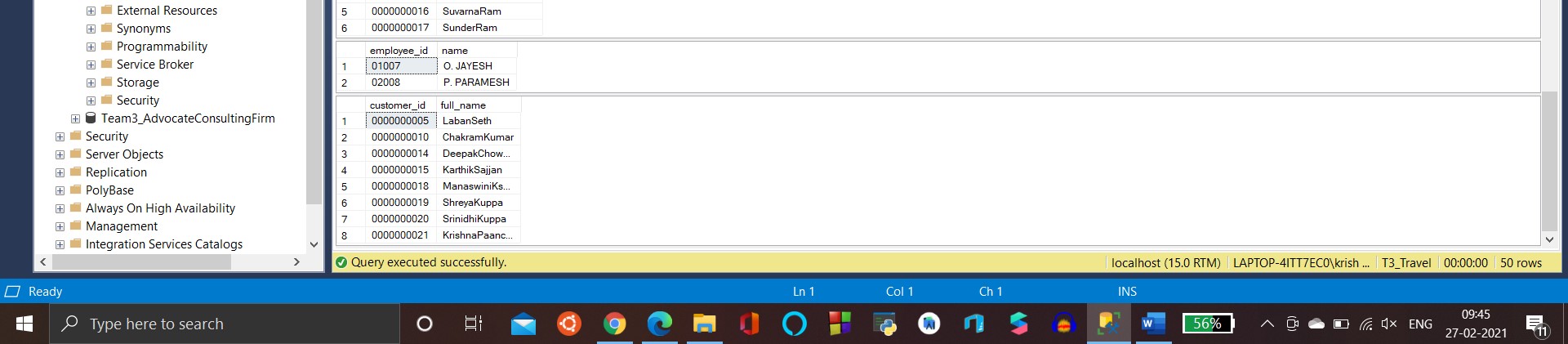
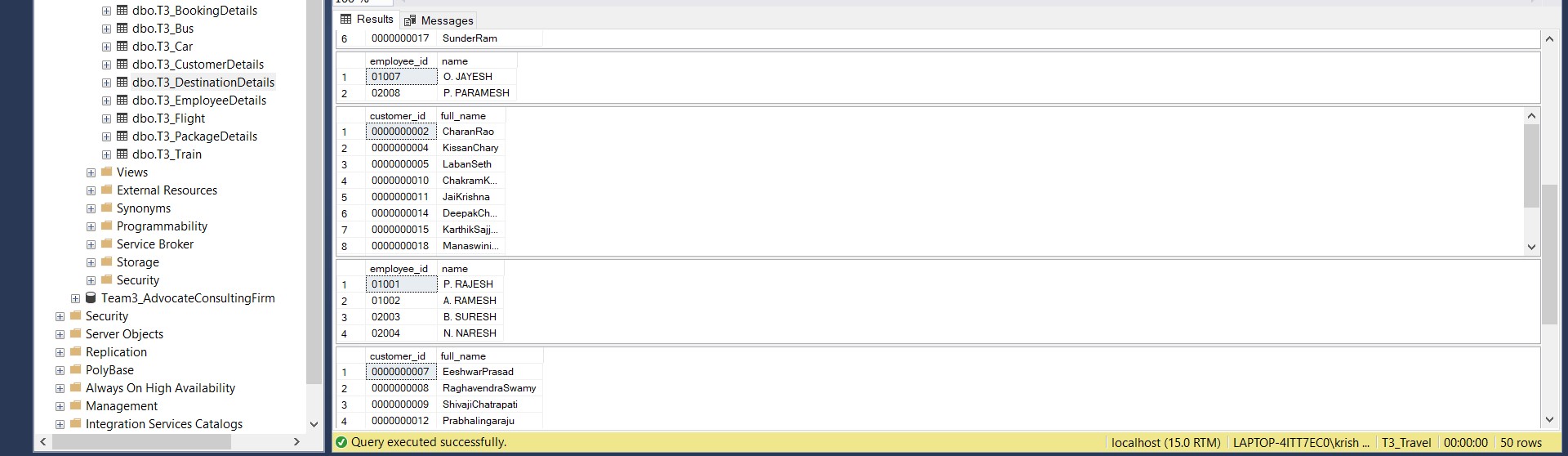
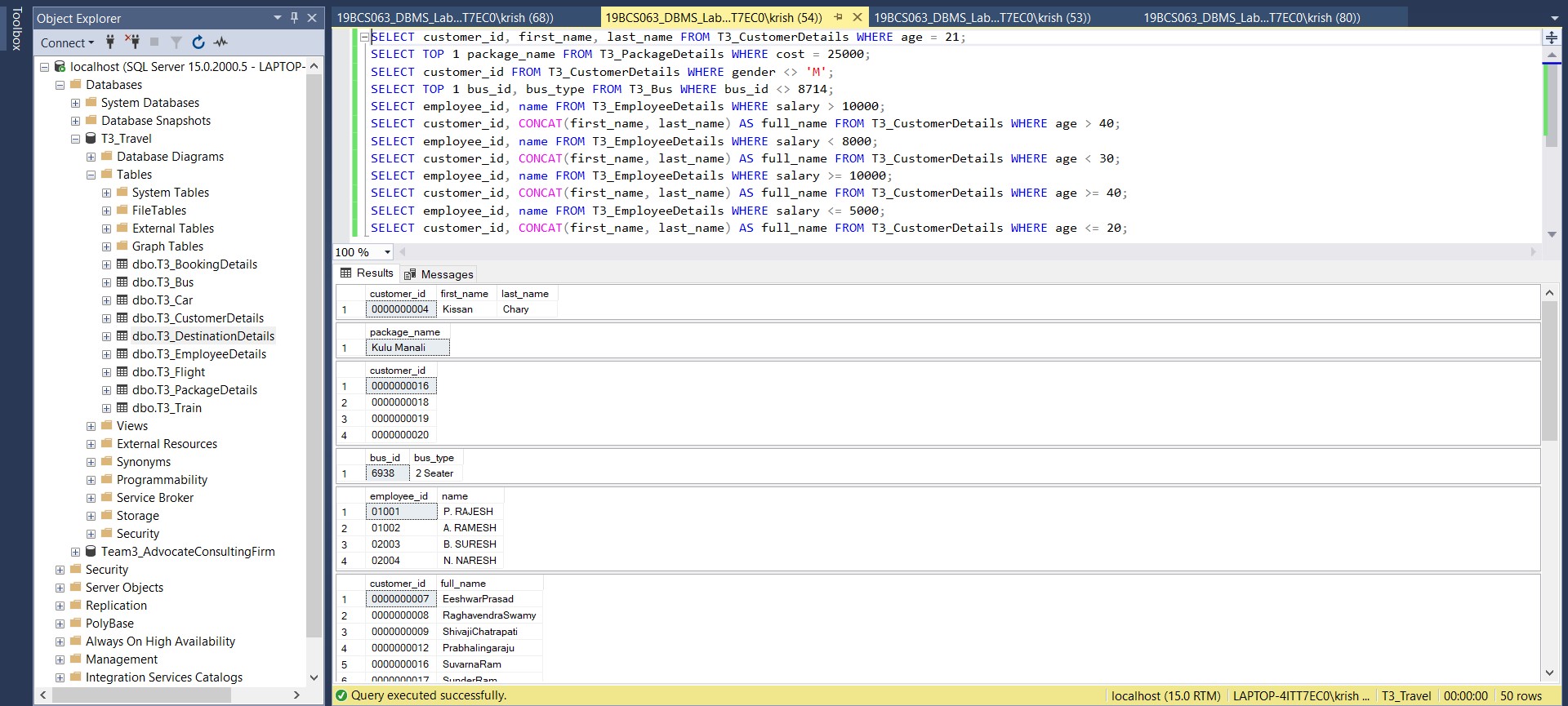
SELECT customer\_id, CONCAT(first\_name, last\_name) AS full\_name FROM T3\_CustomerDetails WHERE age < 30;

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary >= 10000;

SELECT customer\_id, CONCAT(first\_name, last\_name) AS full\_name FROM T3\_CustomerDetails WHERE age >= 40;

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary <= 5000;

SELECT customer\_id, CONCAT(first\_name, last\_name) AS full\_name FROM T3\_CustomerDetails WHERE age <= 20; **Database Output:**



# Question 4: Illustrate Logical operators except ANY, ALL and LIKE Query –

SELECT customer\_id, first\_name, last\_name FROM T3\_CustomerDetails WHERE age >= 21 AND gender = 'M';

SELECT name FROM T3\_EmployeeDetails WHERE salary>=10000 AND designation =

'Driver';

SELECT customer\_id, first\_name, last\_name FROM T3\_CustomerDetails WHERE age >= 40 OR gender = 'M'

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary>=10000 OR designation = 'Luggage Manager';

SELECT customer\_id, first\_name, last\_name FROM T3\_CustomerDetails WHERE NOT age >= 35;

SELECT bus\_id FROM T3\_bus WHERE NOT bus\_type='Sleeper';

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE designation IN

('Driver', 'Cleaner');

SELECT hotel\_name FROM T3\_DestinationDetails WHERE city IN ('Kulu Manali', 'Burang');

SELECT employee\_id, name FROM T3\_EmployeeDetails WHERE salary BETWEEN 5000 AND 10000;

SELECT customer\_id, CONCAT(first\_name, last\_name) AS full\_name FROM T3\_CustomerDetails WHERE age BETWEEN 21 AND 40; **Database Output:**

