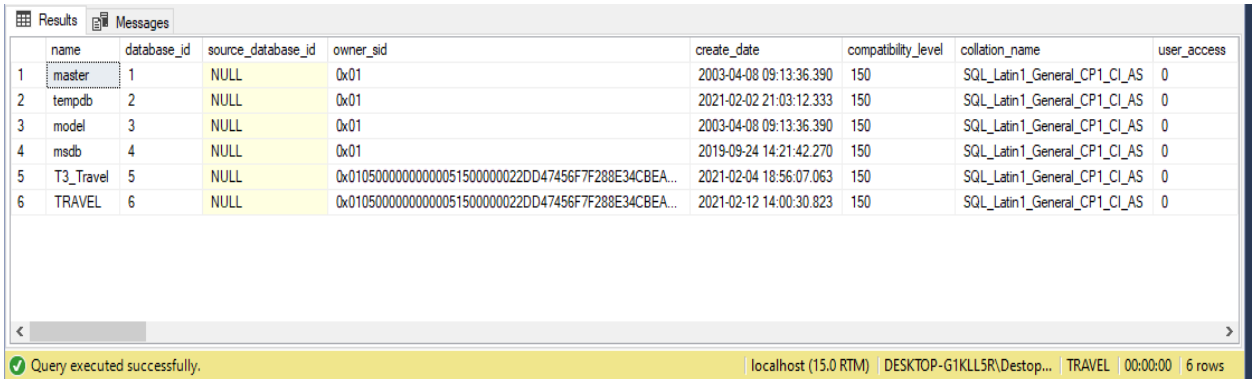
DBMS-LAB Assignment 2

Name: Kasha Singh

Reg. No.: 19BCS051

1. Show how to Create and Drop Database

```
CREATE DATABASE TRAVEL;
```

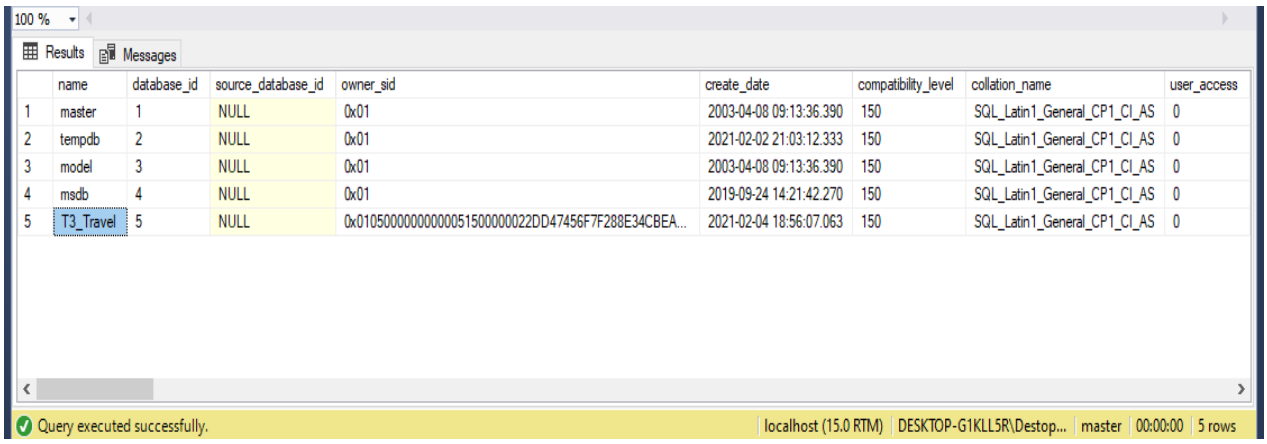


Results | Messages

	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name	user_access
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_AS	0
2	tempdb	2	NULL	0x01	2021-02-02 21:03:12.333	150	SQL_Latin1_General_CP1_CI_AS	0
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_AS	0
4	msdb	4	NULL	0x01	2019-09-24 14:21:42.270	150	SQL_Latin1_General_CP1_CI_AS	0
5	T3_Travel	5	NULL	0x0105000000000005150000022DD47456F7F288E34CBEA...	2021-02-04 18:56:07.063	150	SQL_Latin1_General_CP1_CI_AS	0
6	TRAVEL	6	NULL	0x0105000000000005150000022DD47456F7F288E34CBEA...	2021-02-12 14:00:30.823	150	SQL_Latin1_General_CP1_CI_AS	0

Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | TRAVEL | 00:00:00 | 6 rows

```
DROP DATABASE TRAVEL;
```



100 %

Results | Messages

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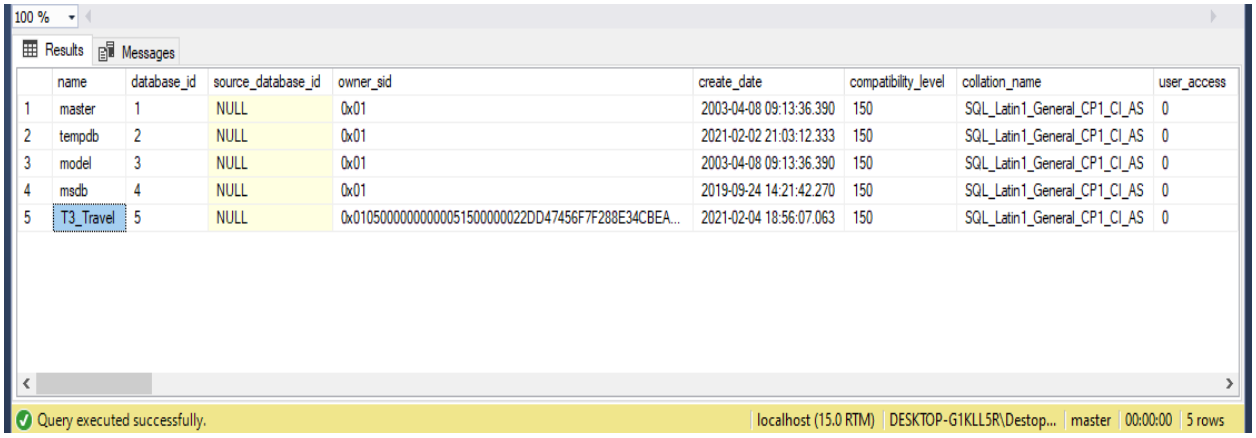
Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | master | 00:00:00 | 5 rows

2. Show all the Databases in the system

```
SELECT * FROM sys.databases;
```



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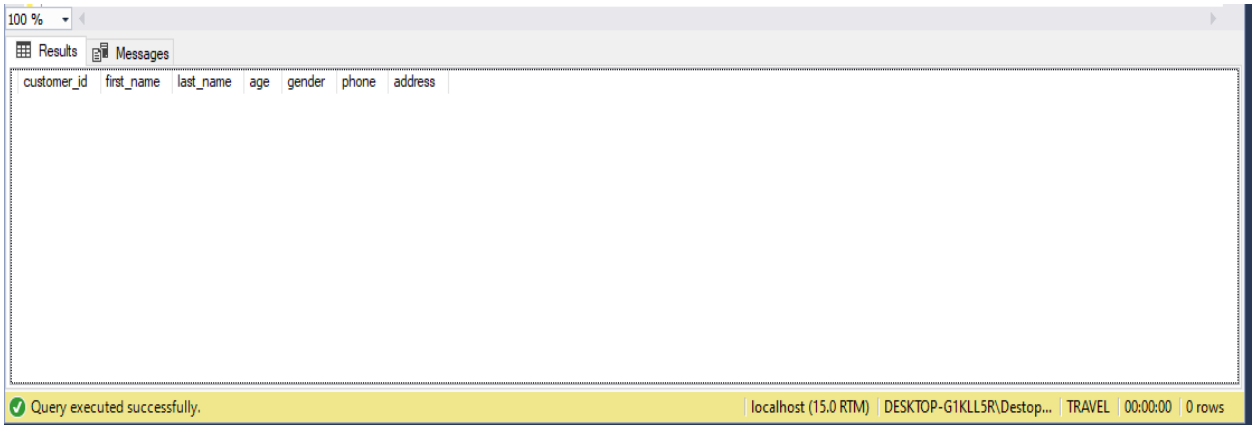
3. Create Table for your Database

```
CREATE TABLE CustomerDetails
(
	customer_id CHAR(10) PRIMARY KEY NOT NULL,
	first_name VARCHAR(20) NOT NULL,
	last_name VARCHAR(20) NOT NULL,
	age INT NOT NULL,
	gender CHAR(1) NOT NULL,
	phone VARCHAR(12) NOT NULL,
	address TEXT NOT NULL
);
```

OUTPUT:

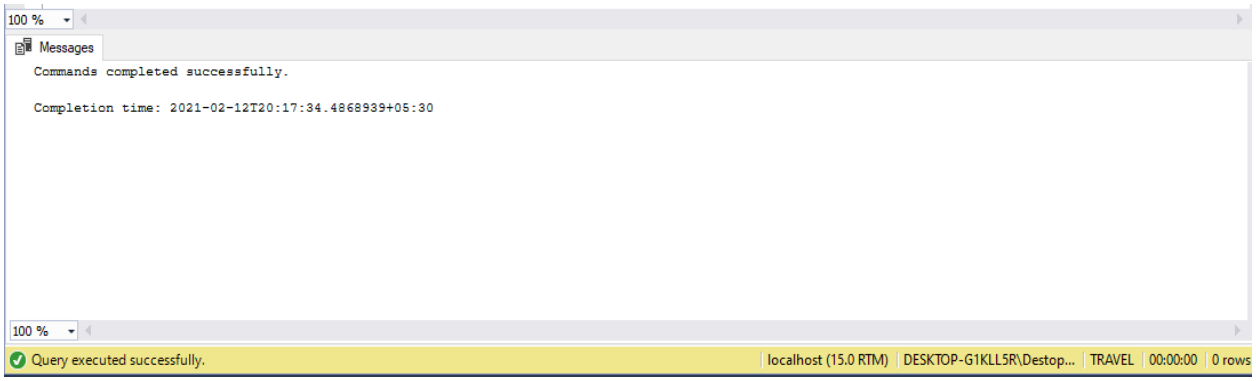
```
SELECT * FROM CustomerDetails;
```



customer_id	first_name	last_name	age	gender	phone	address

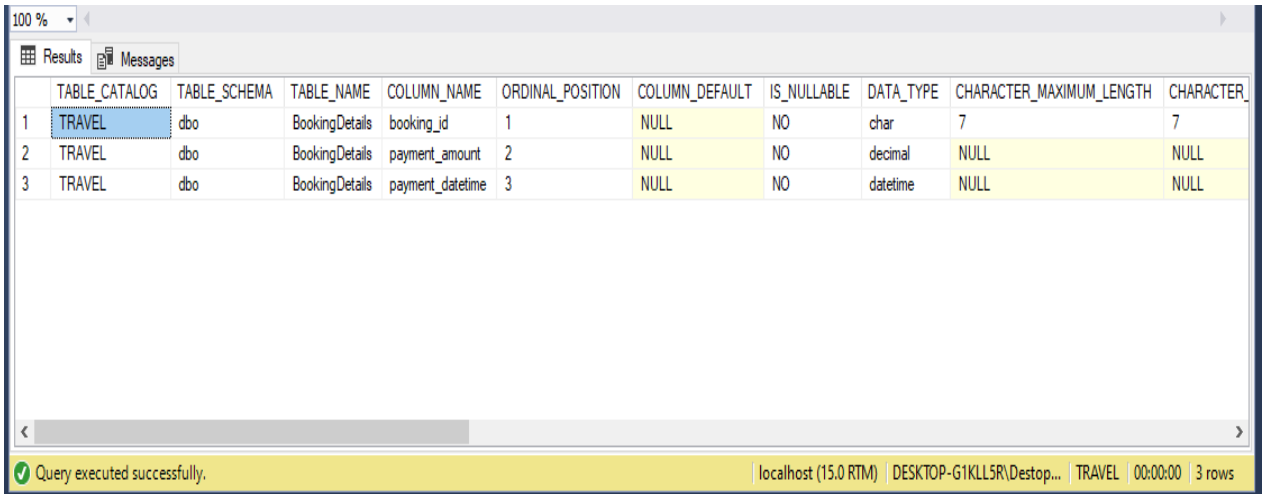
4. Drop table

```
DROP TABLE CustomerDetails;
```



5. Show how to check the schema of the tables

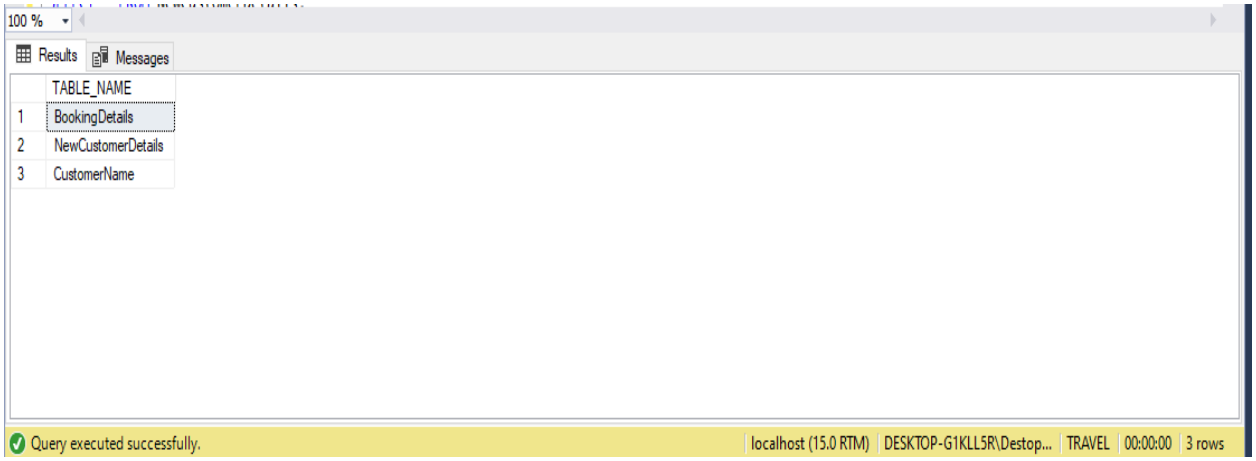
```
SELECT * FROM INFORMATION_SCHEMA.COLUMNS;
```



	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	COLUMN_NAME	ORDINAL_POSITION	COLUMN_DEFAULT	IS_NULLABLE	DATA_TYPE	CHARACTER_MAXIMUM_LENGTH	CHARACTER_
1	TRAVEL	dbo	BookingDetails	booking_id	1	NULL	NO	char	7	7
2	TRAVEL	dbo	BookingDetails	payment_amount	2	NULL	NO	decimal	NULL	NULL
3	TRAVEL	dbo	BookingDetails	payment_datetime	3	NULL	NO	datetime	NULL	NULL

6. Show all the tables from the database

```
SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES;
```

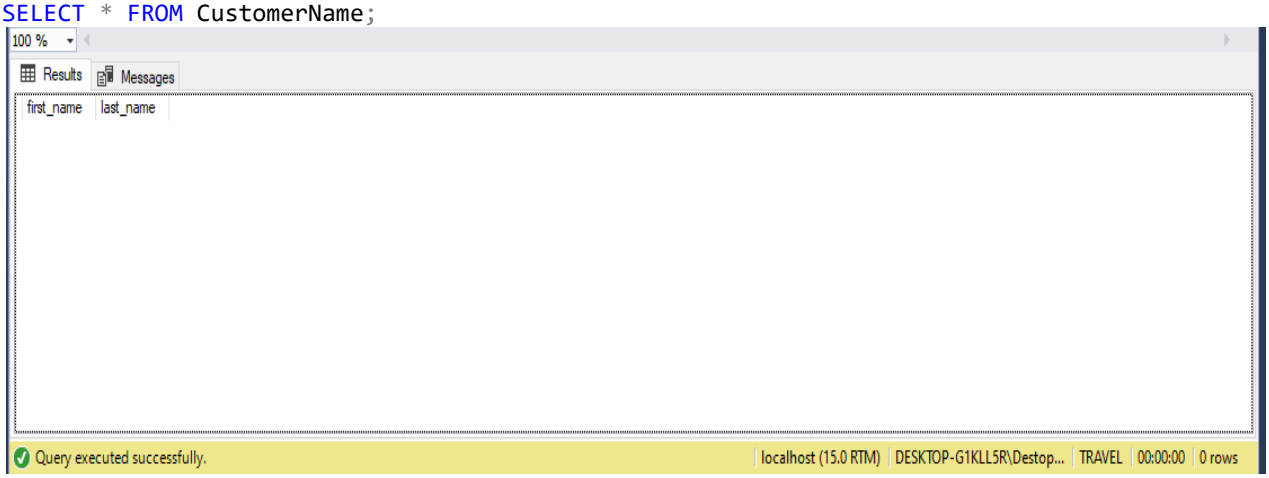


7. Create Table using Select Statement

```
SELECT first_name, last_name INTO CustomerName
from NewCustomerDetails;
```

OUTPUT:

```
SELECT * FROM CustomerName;
```



8. Create a table which has derived attribute.

```
CREATE TABLE NewCustomerDetails
(
	customer_id CHAR(10) PRIMARY KEY NOT NULL,
	first_name VARCHAR(20) NOT NULL,
	last_name VARCHAR(20) NOT NULL,
	dob DATE NOT NULL,
	age AS DATEDIFF(YEAR,dob,GETDATE()),
	gender CHAR(1) NOT NULL,
	phone VARCHAR(12) NOT NULL,
	address TEXT NOT NULL
);
```

OUTPUT:

```
SELECT * FROM NewCustomerDetails;
```