

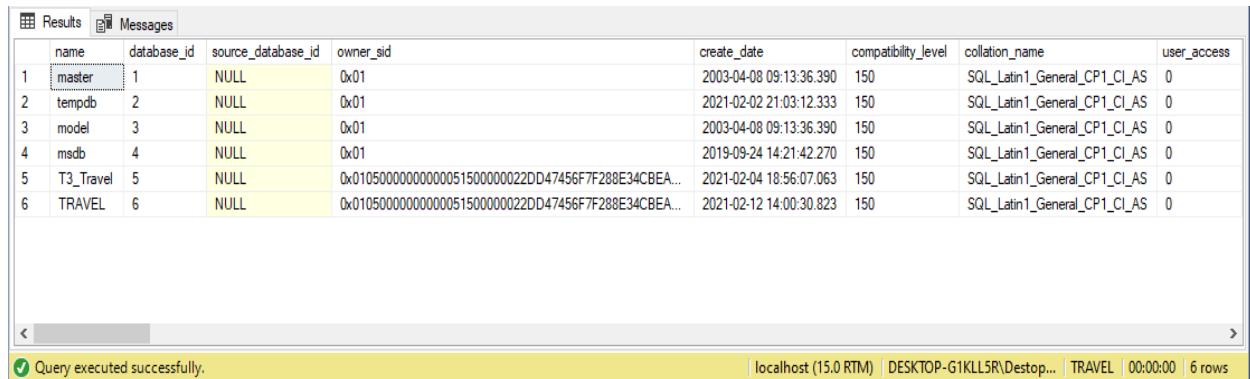
DBMS-LAB Assignment 2

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Reg. No.: 19BCS051

1. Show how to Create and Drop Database

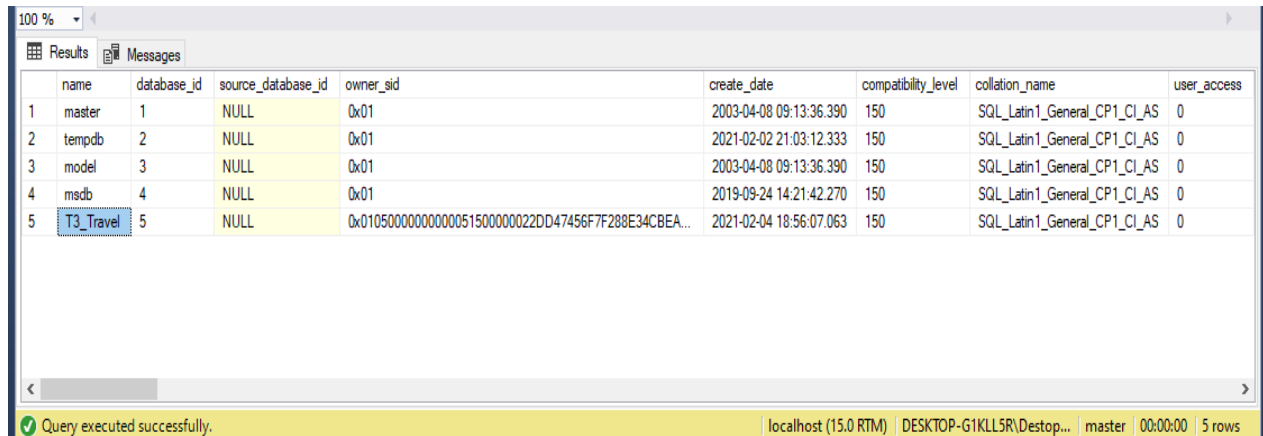
CREATE DATABASE TRAVEL;



	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	0x01050000000000051500000022DD47456F7F288E34CBEA...	2021-02-04 18:56:07.063	150	SQL_Latin1_General_CP1_CI_AS	0
6	TRAVEL	6	NULL	0x01050000000000051500000022DD47456F7F288E34CBEA...	2021-02-12 14:00:30.823	150	SQL_Latin1_General_CP1_CI_AS	0

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

DROP DATABASE TRAVEL;

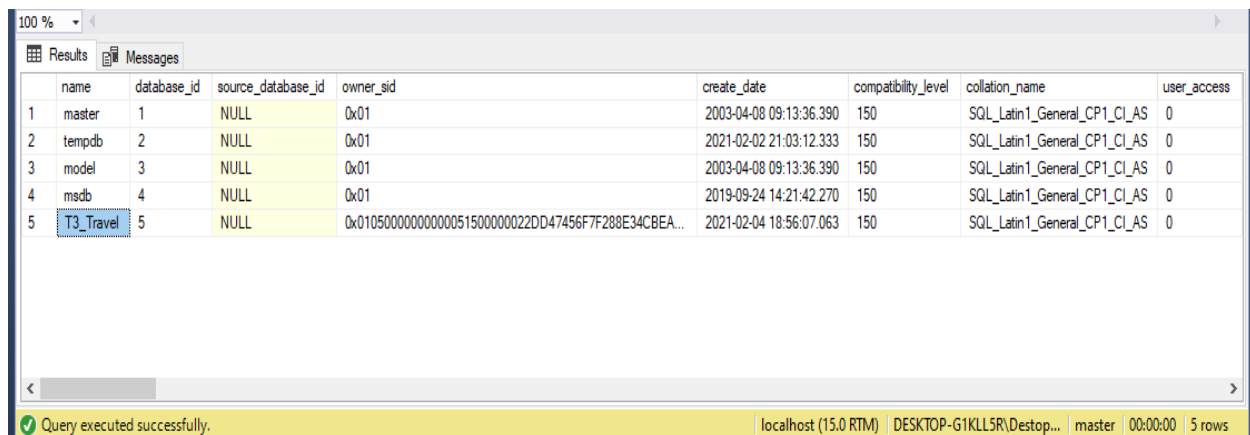


	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name	user_access
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_AS	0
2	tempdb	2	NULL	0x01	2021-02-02 21:03:12.333	150	SQL_Latin1_General_CP1_CI_AS	0
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	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	0x01050000000000051500000022DD47456F7F288E34CBEA...	2021-02-04 18:56:07.063	150	SQL_Latin1_General_CP1_CI_AS	0

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

2. Show all the Databases in the system

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



The screenshot shows the SQL Server Enterprise Manager interface. The 'Results' pane displays the output of the query 'SELECT * FROM sys.databases;'. The table has 8 columns: name, database_id, source_database_id, owner_sid, create_date, compatibility_level, collation_name, and user_access. There are 5 rows of data, including the 'T3_Travel' database which is highlighted. The status bar at the bottom indicates 'Query executed successfully.' and '5 rows'.

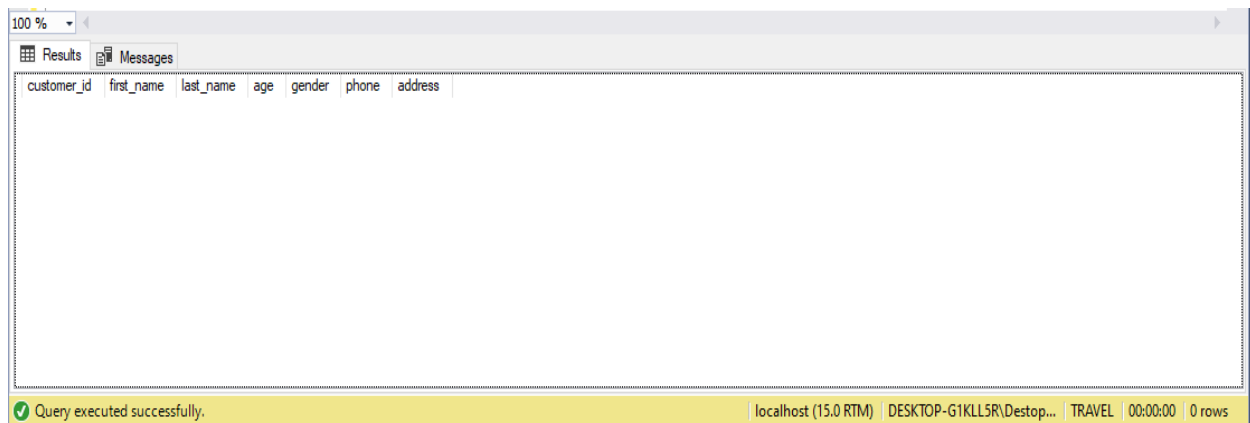
	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name	user_access
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_AS	0
2	tempdb	2	NULL	0x01	2021-02-02 21:03:12.333	150	SQL_Latin1_General_CP1_CI_AS	0
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	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	0x01050000000000051500000022DD47456F7F288E34CBEA...	2021-02-04 18:56:07.063	150	SQL_Latin1_General_CP1_CI_AS	0

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;
```

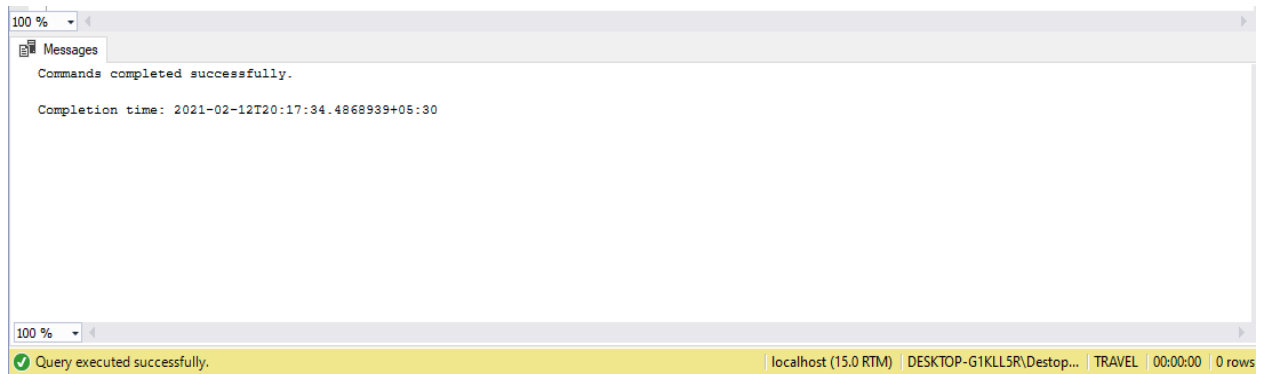


The screenshot shows the SQL Server Enterprise Manager interface. The 'Results' pane displays the output of the query 'SELECT * FROM CustomerDetails;'. The table has 7 columns: customer_id, first_name, last_name, age, gender, phone, and address. The table is currently empty, showing 0 rows. The status bar at the bottom indicates 'Query executed successfully.' and '0 rows'.

customer_id	first_name	last_name	age	gender	phone	address
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4. Drop table

```
DROP TABLE CustomerDetails;
```



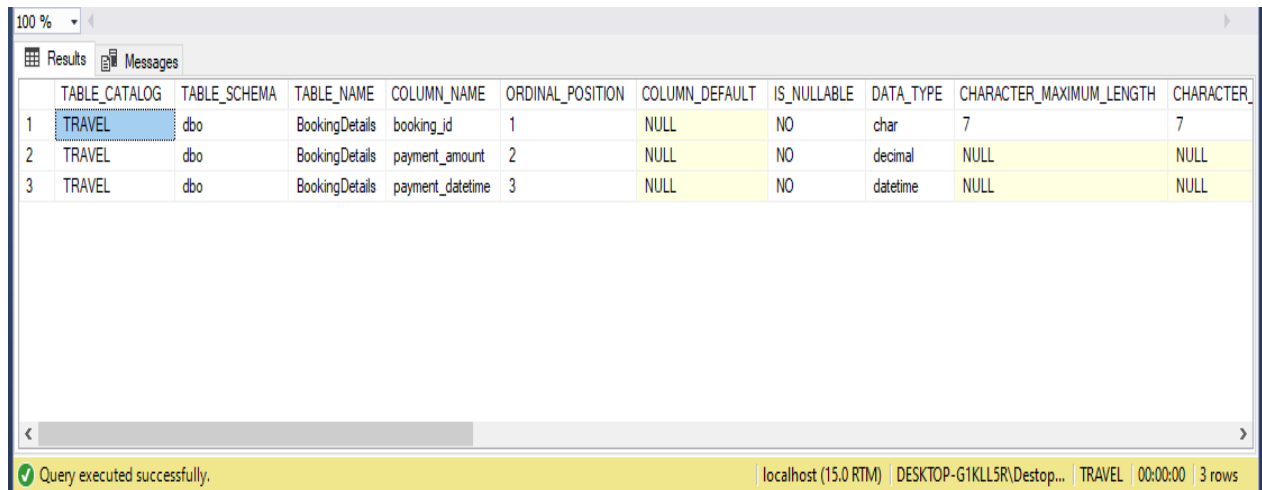
The screenshot shows the SQL Server Enterprise Manager interface. The 'Messages' pane displays the following text:

```
Commands completed successfully.  
  
Completion time: 2021-02-12T20:17:34.4868939+05:30
```

The status bar at the bottom indicates: 'Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | TRAVEL | 00:00:00 | 0 rows'.

5. Show how to check the schema of the tables

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



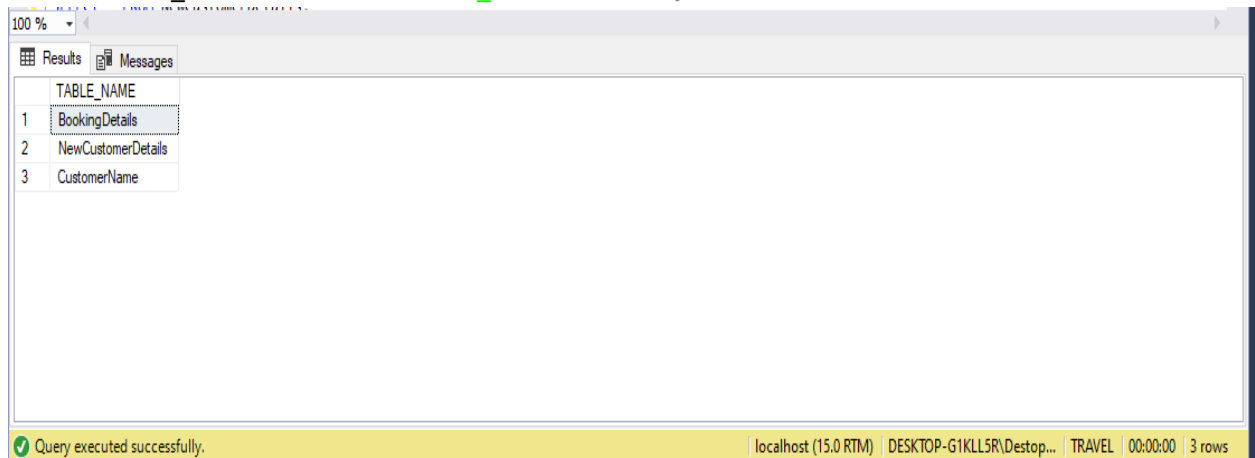
The screenshot shows the SQL Server Enterprise Manager interface with the 'Results' pane displaying the output of the query. The results are as follows:

	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

The status bar at the bottom indicates: 'Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | TRAVEL | 00:00:00 | 3 rows'.

6. Show all the tables from the database

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



The screenshot shows a SQL Server Enterprise Manager window with the 'Results' tab selected. The query results are displayed in a table with one column, 'TABLE_NAME', and three rows of data. The status bar at the bottom indicates that the query was executed successfully, returning 3 rows.

	TABLE_NAME
1	BookingDetails
2	NewCustomerDetails
3	CustomerName

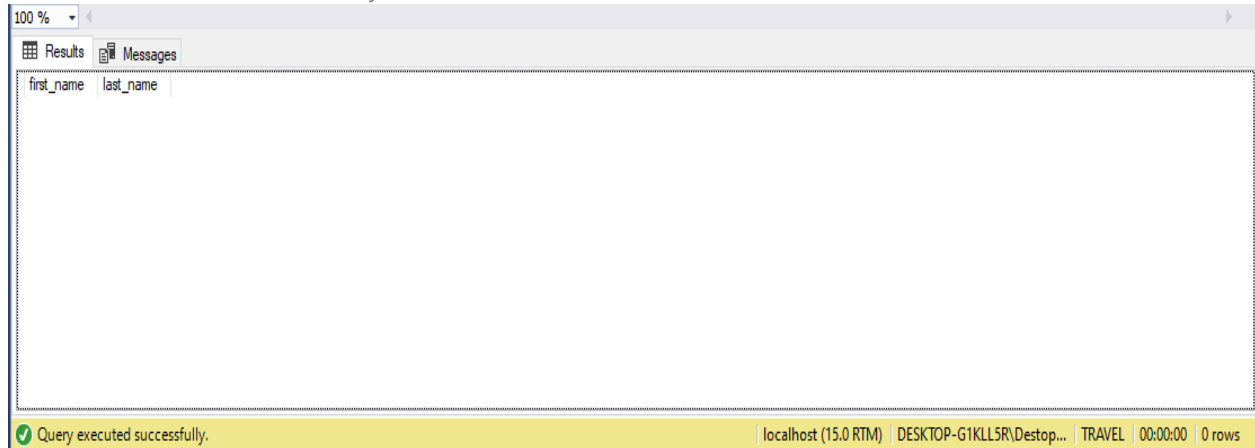
Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | TRAVEL | 00:00:00 | 3 rows

7. Create Table using Select Statement

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

OUTPUT:

```
SELECT * FROM CustomerName;
```



The screenshot shows a SQL Server Enterprise Manager window with the 'Results' tab selected. The query results are displayed in a table with two columns, 'first_name' and 'last_name', and no rows of data. The status bar at the bottom indicates that the query was executed successfully, returning 0 rows.

first_name	last_name
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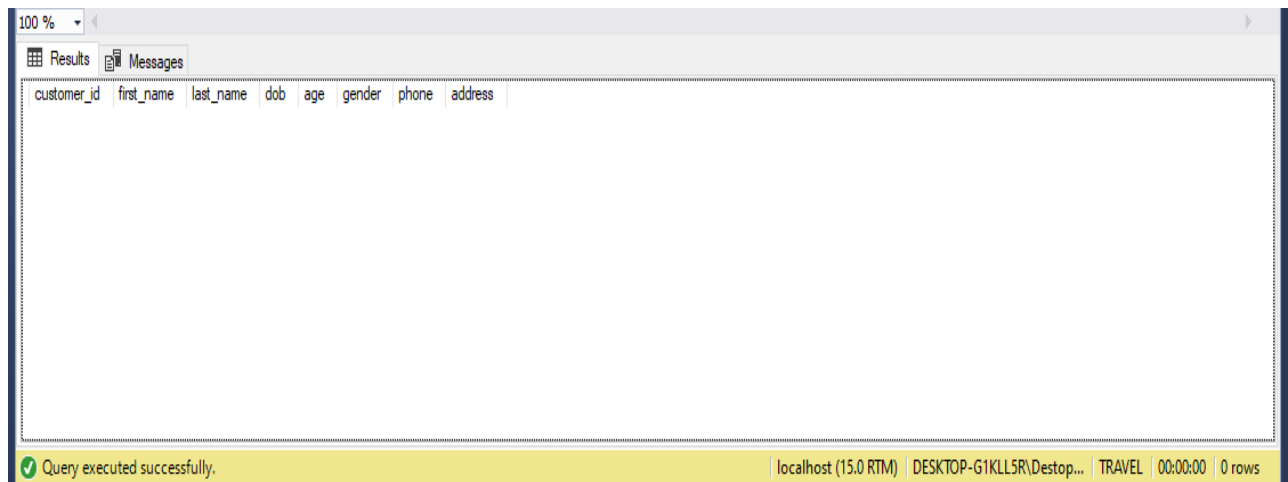
Query executed successfully. | localhost (15.0 RTM) | DESKTOP-G1KLL5R\Destop... | TRAVEL | 00:00:00 | 0 rows

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;
```



The screenshot shows a SQL query execution window with a tab labeled 'Results'. The query executed is 'SELECT * FROM NewCustomerDetails;'. The result set is empty, showing only the column headers: customer_id, first_name, last_name, dob, age, gender, phone, and address. The status bar at the bottom indicates 'Query executed successfully.' and '0 rows'.

customer_id	first_name	last_name	dob	age	gender	phone	address
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