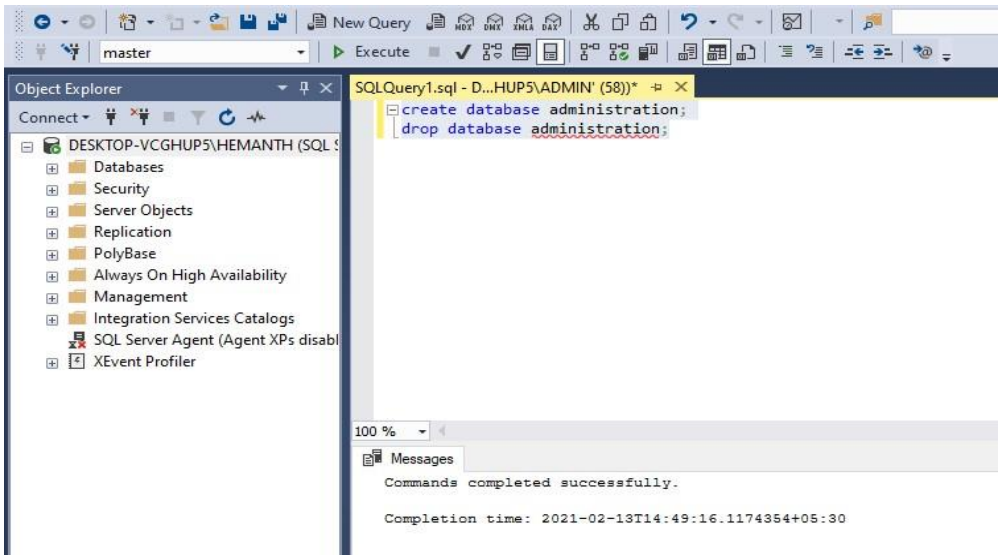
1. Show how to Create and Drop Database

QUERY

```
create database administration;
drop database administration;
```

OUTPUT

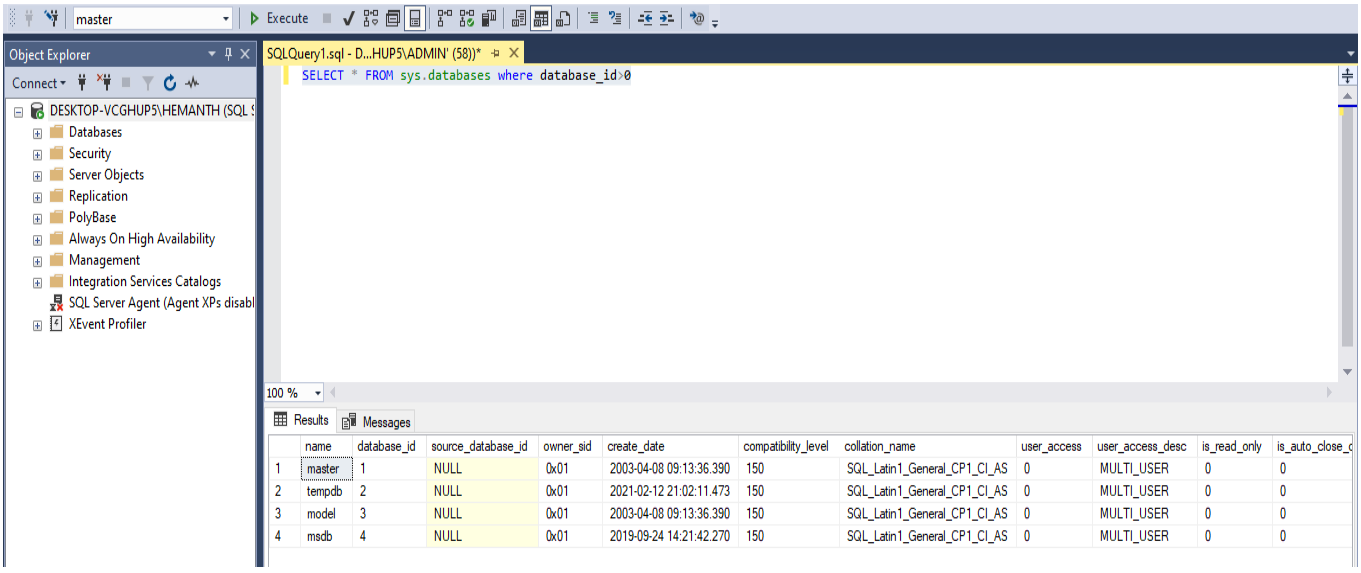


2. Show all the Databases are in the system

QUERY

```
SELECT * FROM sys.databases where database_id>0
```

OUTPUT



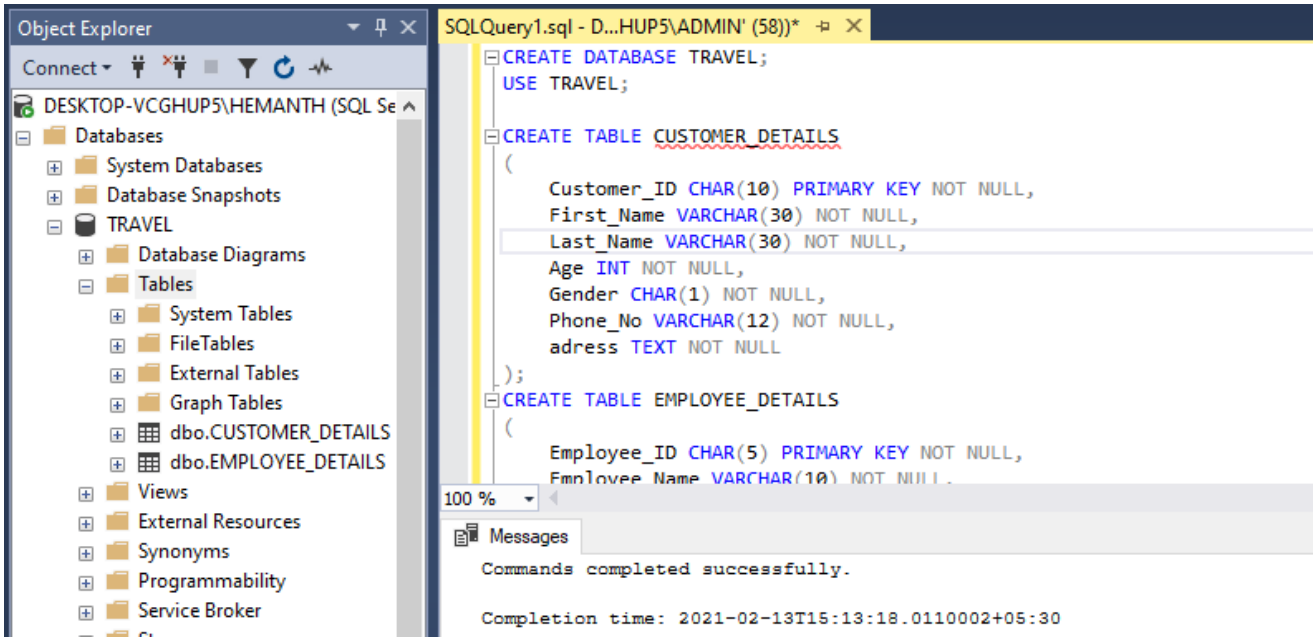
3. Create Table for your Database

QUERY

```
CREATE DATABASE TRAVEL;
USE TRAVEL;

CREATE TABLE CUSTOMER_DETAILS
(
	Customer_ID CHAR(10) PRIMARY KEY NOT NULL,
	First_Name VARCHAR(30) NOT NULL,
	Last_Name VARCHAR(30) NOT NULL,
	Age INT NOT NULL,
	Gender CHAR(1) NOT NULL,
	Phone_No VARCHAR(12) NOT NULL,
	adress TEXT NOT NULL
);
CREATE TABLE EMPLOYEE_DETAILS
(
	Employee_ID CHAR(5) PRIMARY KEY NOT NULL,
	Employee_Name VARCHAR(10) NOT NULL,
	Phone_Number VARCHAR(12) NOT NULL,
	Salary DECIMAL(10,2) NOT NULL
 );
```

OUTPUT



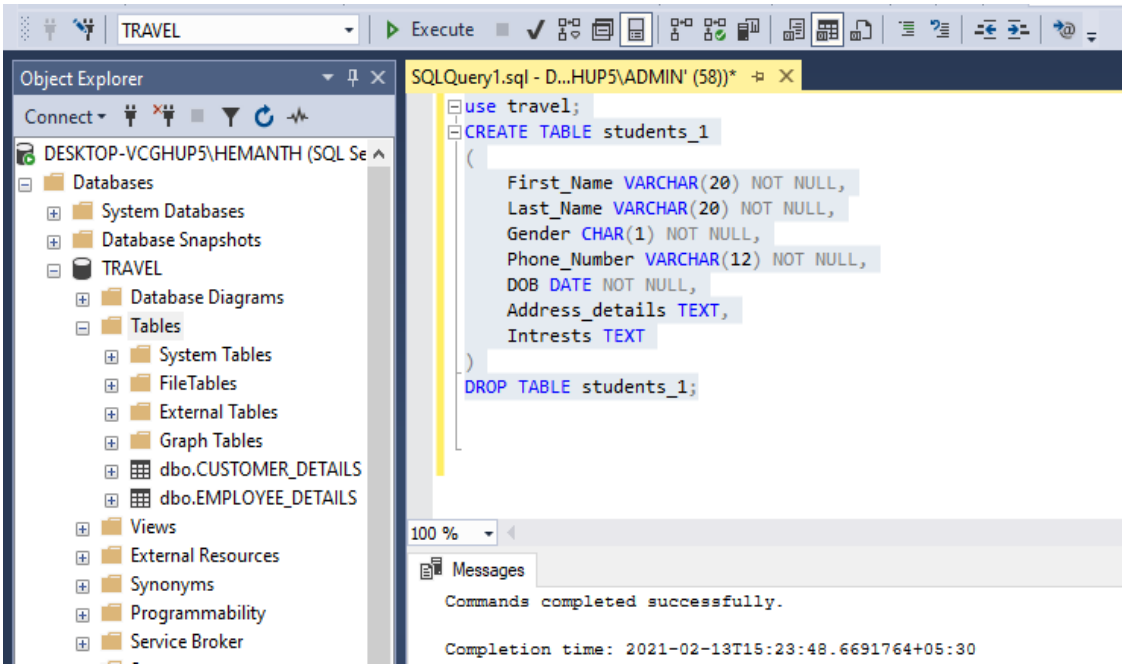
4. Drop table

QUERY

```
use travel;

CREATE TABLE students_1
(
	First_Name VARCHAR(20) NOT NULL,
	Last_Name VARCHAR(20) NOT NULL,
	Gender CHAR(1) NOT NULL,
	Phone_Number VARCHAR(12) NOT NULL,
	DOB DATE NOT NULL,
	Address_details TEXT,
	Intrests TEXT
)
DROP TABLE students_1;
```

OUTPUT

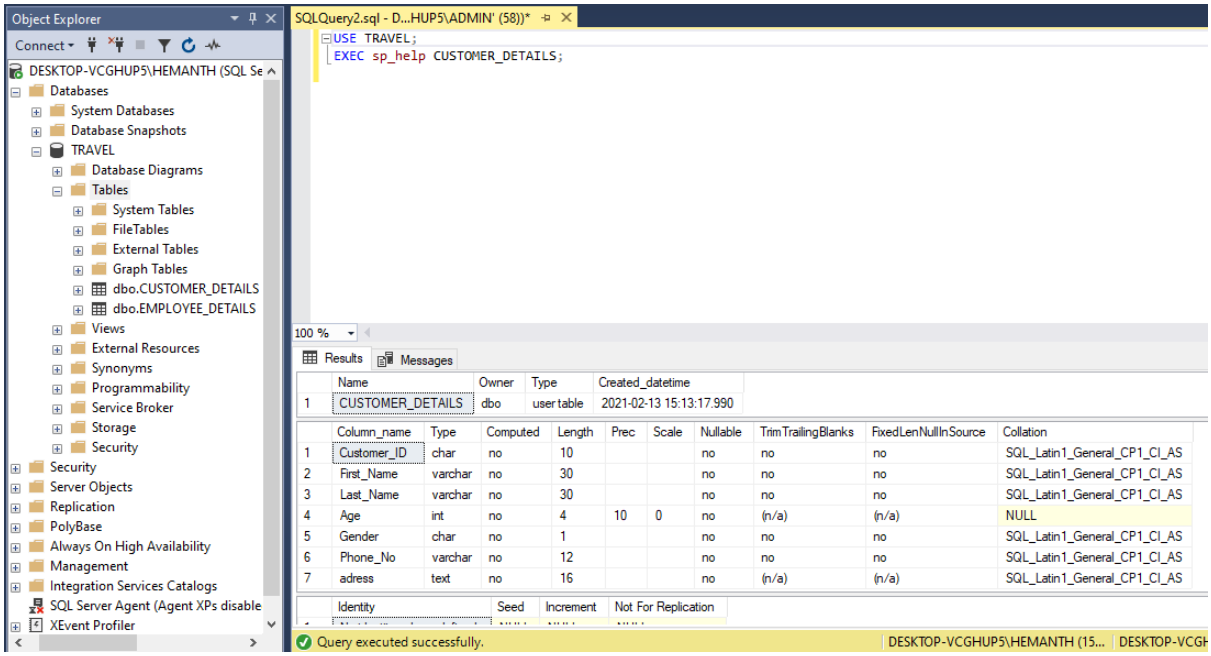


5. Show how to check the schema of the tables

QUERY

```
USE TRAVEL;
EXEC sp_help CUSTOMER_DETAILS;
```

OUTPUT

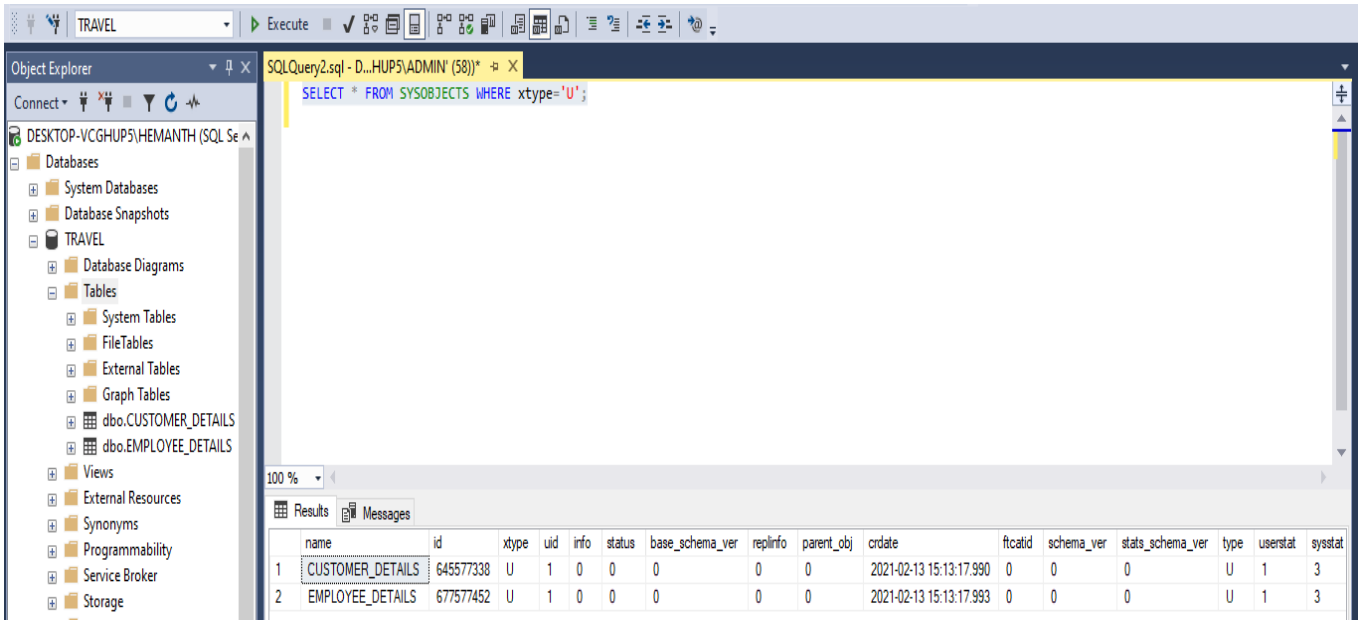


6. Show all the tables from the database (This is not done in class.)

QUERY

```
SELECT * FROM SYSOBJECTS WHERE xtype='U';
```

OUTPUT

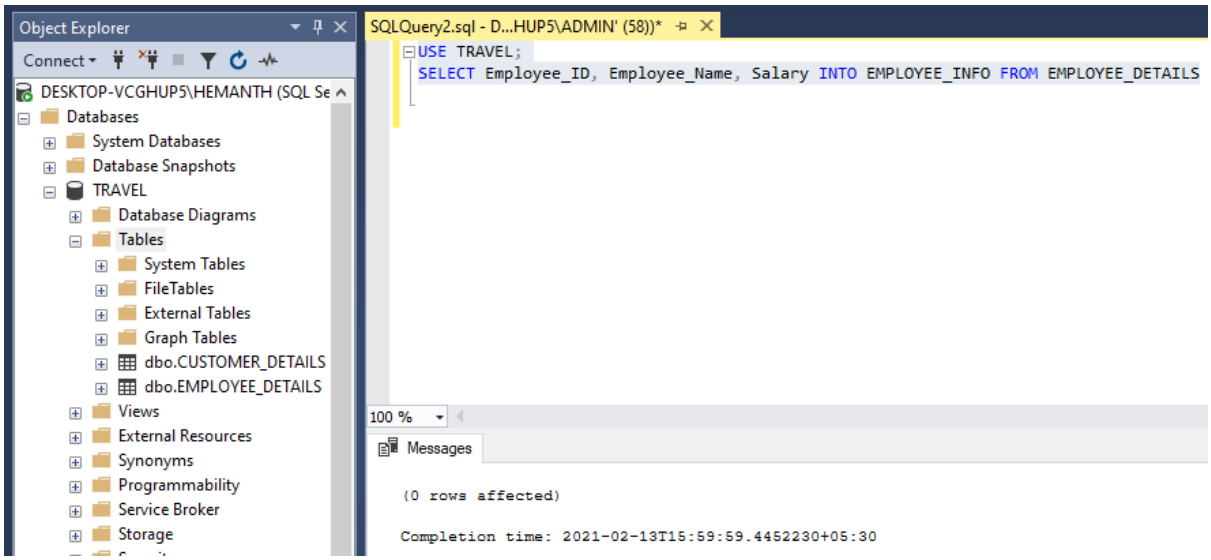


7. Create Table using Select Statement (I haven't showed you this. I want you to try, it is very simple you should not have any problem).

QUERY

```
USE TRAVEL;
SELECT Employee_ID, Employee_Name, Salary INTO EMPLOYEE_INFO FROM EMPLOYEE_DETAILS
```

OUTPUT

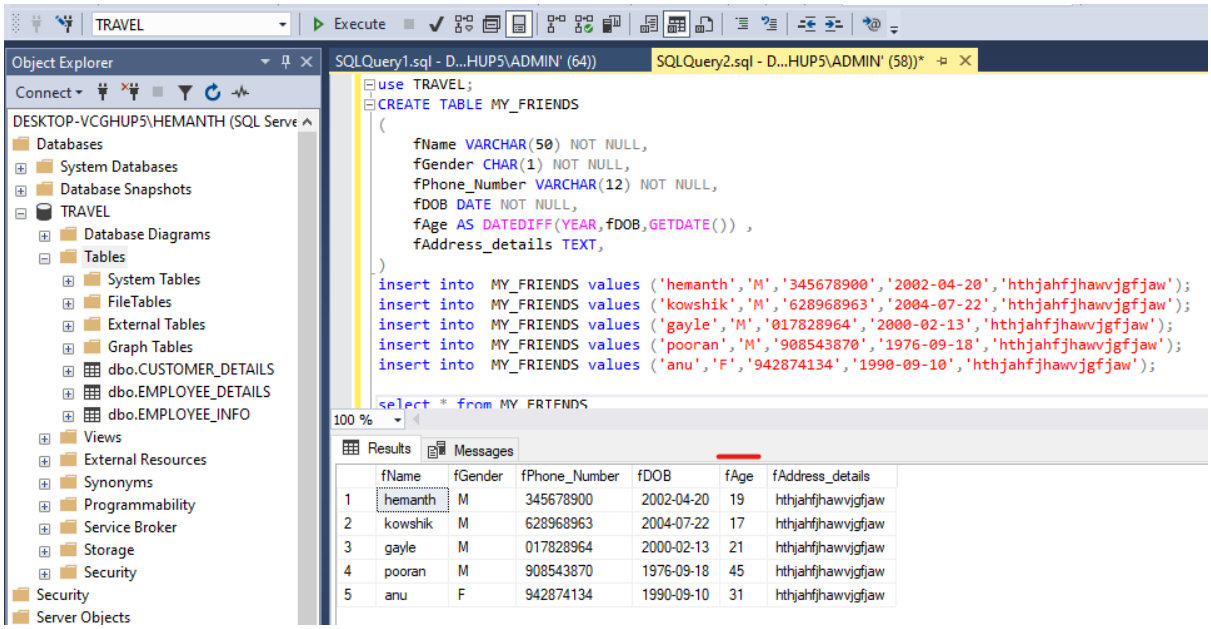


8. Create a table which has derived attribute. (Example can be Age is a derived attribute from Date of Birth. You should try this as well).

QUERY

```
use TRAVEL;
CREATE TABLE MY_FRIENDS
(
	fName VARCHAR(50) NOT NULL,
	fGender CHAR(1) NOT NULL,
	fPhone_Number VARCHAR(12) NOT NULL,
	fDOB DATE NOT NULL,
	fAge AS DATEDIFF(YEAR,fDOB,GETDATE()) ,
	fAddress_details TEXT,
)
insert into  MY_FRIENDS values ('hemanth','M','345678900','2002-04-20',
hthjahfjhawvjgfjaw');
insert into  MY_FRIENDS values ('kowshik','M','628968963','2004-07- 22',
'hthjahfjhawvjgfjaw');
insert into  MY_FRIENDS values ('gayle','M','017828964','2000-02-13',
'hthjahfjhawvjgfjaw');
insert into  MY_FRIENDS values ('pooran','M','908543870','1976-09-18',
'hthjahfjhawvjgfjaw');
insert into  MY_FRIENDS values ('anu','F','942874134','1990-09-10',
'hthjahfjhawvjgfjaw');
```

OUTPUT



	fName	fGender	fPhone_Number	fDOB	fAge	fAddress_details
1	hemanth	M	345678900	2002-04-20	19	hthjahfjhawvjgfjaw
2	kowshik	M	628968963	2004-07-22	17	hthjahfjhawvjgfjaw
3	gayle	M	017828964	2000-02-13	21	hthjahfjhawvjgfjaw
4	pooran	M	908543870	1976-09-18	45	hthjahfjhawvjgfjaw
5	anu	F	942874134	1990-09-10	31	hthjahfjhawvjgfjaw

As we created there is a coloum (derived attribute) which is marked as (red) in the output which calculates the age of the people(data) from the attribute fDOB in the table (MY_FRIENDS)