**NAME: KARUSALA DEEPAK CHOWDARY**

**REGISTRATION NUMBER: 19BCS050**

**DBMS LAB ASSIGNMENT – 2**

**travel agency**

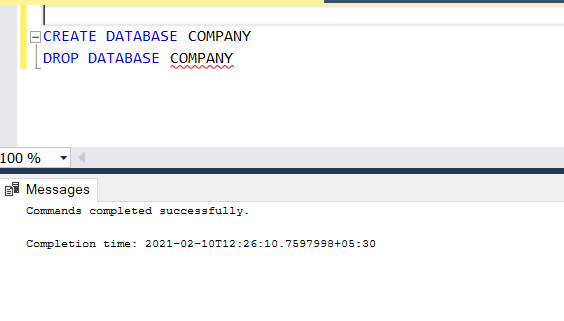
1. Show how to Create and Drop Database

**QUERY**

CREATE DATABASE COMPANY

DROP DATABASE COMPANY

**OPUTPUT**

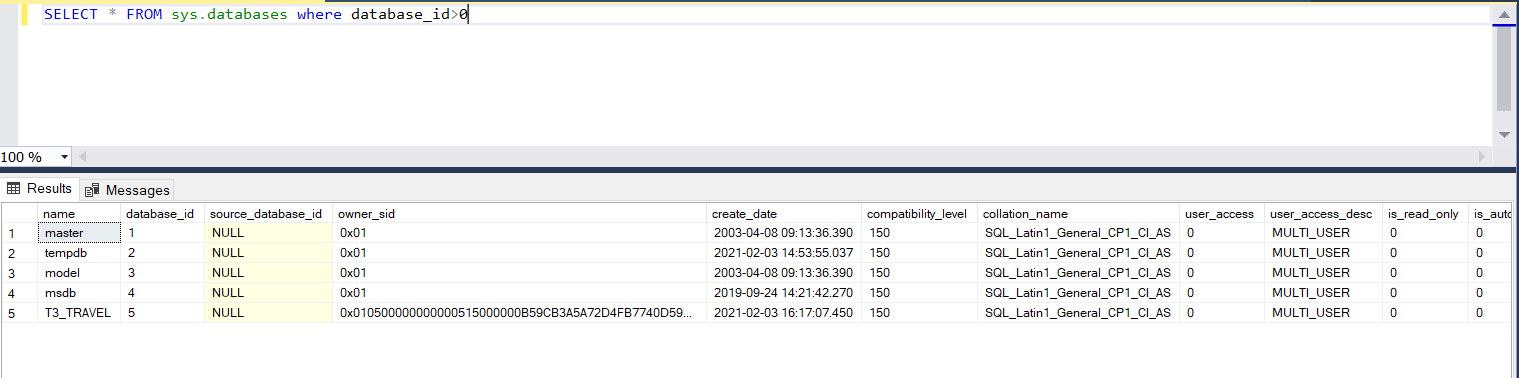
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1. Show all the Databases are in the system

**QUERY**

SELECT \* FROM sys.databases where database\_id>0

**OPUTPUT**

****

1. Create Table for your Database

**QUERY**

USE TEAM3\_TRAVEL;

CREATE TABLE T3\_CUSTOMER\_DETAILS

(

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\_No VARCHAR(12) NOT NULL,

A1ddress TEXT NOT NULL

);

CREATE TABLE T3\_BOOKING\_DETAILS

(

Customer\_ID CHAR(10) FOREIGN KEY REFERENCES T3\_CUSTOMER\_DETAILS(Customer\_ID) NOT NULL,

Booking\_ID CHAR(7) PRIMARY KEY NOT NULL,

Payment\_Amount DECIMAL(10,2) NOT NULL,

Payment\_Date\_Time DATETIME NOT NULL,

Refund CHAR(1),

Refunded\_Amount DECIMAL(10,2),

Refund\_Date\_Time DATETIME

);

CREATE TABLE T3\_HOTELS\_AT\_DESTINATION

(

City\_ID CHAR(4) PRIMARY KEY NOT NULL,

Hotel\_ID CHAR(3) NOT NULL,

Hotel\_Name VARCHAR(10) NOT NULL,

Hotel\_Description TEXT NOT NULL,

Address TEXT NOT NULL

);

CREATE TABLE T3\_PACKAGE\_DETAILS

(

Package\_Name VARCHAR(15) PRIMARY KEY NOT NULL,

Package\_Description TEXT NOT NULL,

Cost DECIMAL(10,2) NOT NULL,

Starting\_Point VARCHAR(15) NOT NULL,

Booking\_ID CHAR(7) FOREIGN KEY REFERENCES T3\_BOOKING\_DETAILS(Booking\_ID) NOT NULL

);

CREATE TABLE T3\_DESTINATION\_DETAILS

(

Package\_Name VARCHAR(15) PRIMARY KEY NOT NULL,

City\_ID CHAR(4) FOREIGN KEY REFERENCES T3\_HOTELS\_AT\_DESTINATION(City\_ID) NOT NULL,

City VARCHAR(15) NOT NULL

);

CREATE TABLE T3\_EMPLOYEE\_DETAILS

(

Employee\_ID CHAR(5) PRIMARY KEY NOT NULL,

Name VARCHAR(10) NOT NULL,

Designation VARCHAR(15) NOT NULL,

Phone\_Number VARCHAR(12) NOT NULL,

Salary DECIMAL(10,2) NOT NULL

);

CREATE TABLE T3\_CAR

(

Package\_Name VARCHAR(15) FOREIGN KEY REFERENCES T3\_PACKAGE\_DETAILS(Package\_Name) NOT NULL,

Car\_ID CHAR(10) PRIMARY KEY NOT NULL,

Car\_Model VARCHAR(10) NOT NULL,

Employee\_ID CHAR(5) FOREIGN KEY REFERENCES T3\_EMPLOYEE\_DETAILS(Employee\_ID) NOT NULL,

DateAndTime\_Of\_Pickup DATETIME NOT NULL,

DateAndTime\_Of\_Drop DATETIME NOT NULL

);

CREATE TABLE T3\_BUS

(

Package\_Name VARCHAR(15) FOREIGN KEY REFERENCES T3\_PACKAGE\_DETAILS(Package\_Name) NOT NULL,

Bus\_ID CHAR(4) PRIMARY KEY NOT NULL,

Bus\_Type VARCHAR(10) NOT NULL,

Employee\_ID CHAR(5) FOREIGN KEY REFERENCES T3\_EMPLOYEE\_DETAILS(Employee\_ID) NOT NULL,

DateAndTime\_Of\_Arrival DATETIME NOT NULL,

DateAndTime\_Of\_Departure DATETIME NOT NULL

);

CREATE TABLE T3\_FLIGHT

(

Package\_Name VARCHAR(15) FOREIGN KEY REFERENCES T3\_PACKAGE\_DETAILS(Package\_Name) NOT NULL,

Flight\_ID CHAR(8) PRIMARY KEY NOT NULL,

Flight\_Class VARCHAR(10) NOT NULL,

DateAndTime\_Of\_Boarding DATETIME NOT NULL,

DateAndTime\_Of\_Landing DATETIME NOT NULL

);

CREATE TABLE T3\_TRAIN

(

Package\_Name VARCHAR(15) FOREIGN KEY REFERENCES T3\_PACKAGE\_DETAILS(Package\_Name) NOT NULL,

Train\_No CHAR(8) PRIMARY KEY NOT NULL,

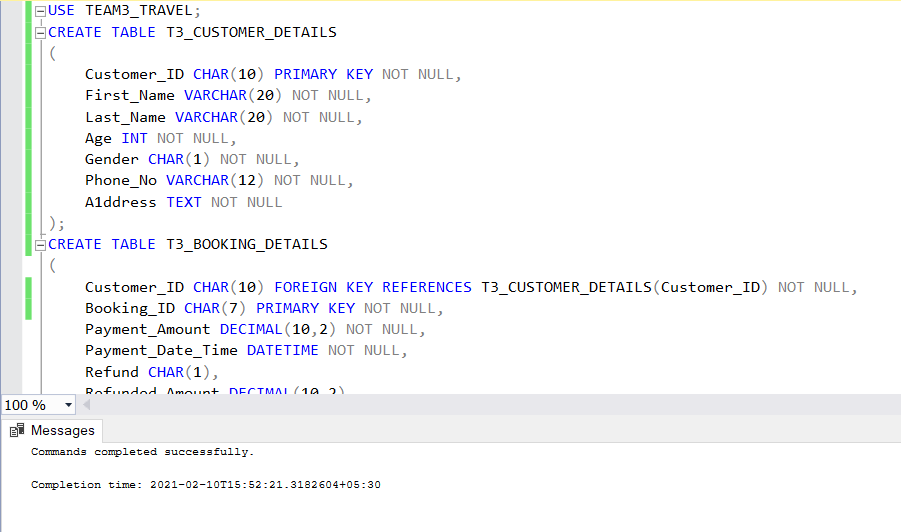
Train\_Class VARCHAR(10) NOT NULL,

DateAndTime\_Of\_Arrival DATETIME NOT NULL,

DateAndTime\_Of\_Departure DATETIME NOT NULL

)

**OUTPUT**

****

1. Drop table

**QUERY**

CREATE TABLE MY\_FRIENDS

(

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,

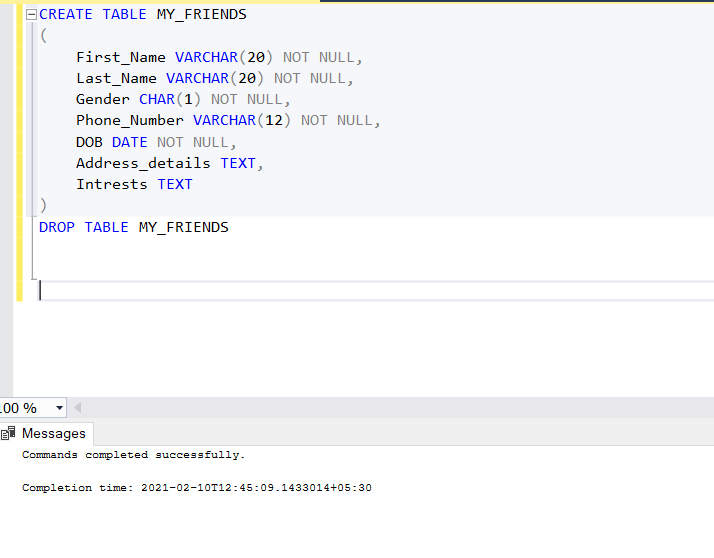
Address\_details TEXT,

Intrests TEXT

)

DROP TABLE MY\_FRIENDS

**OUTPUT**

****

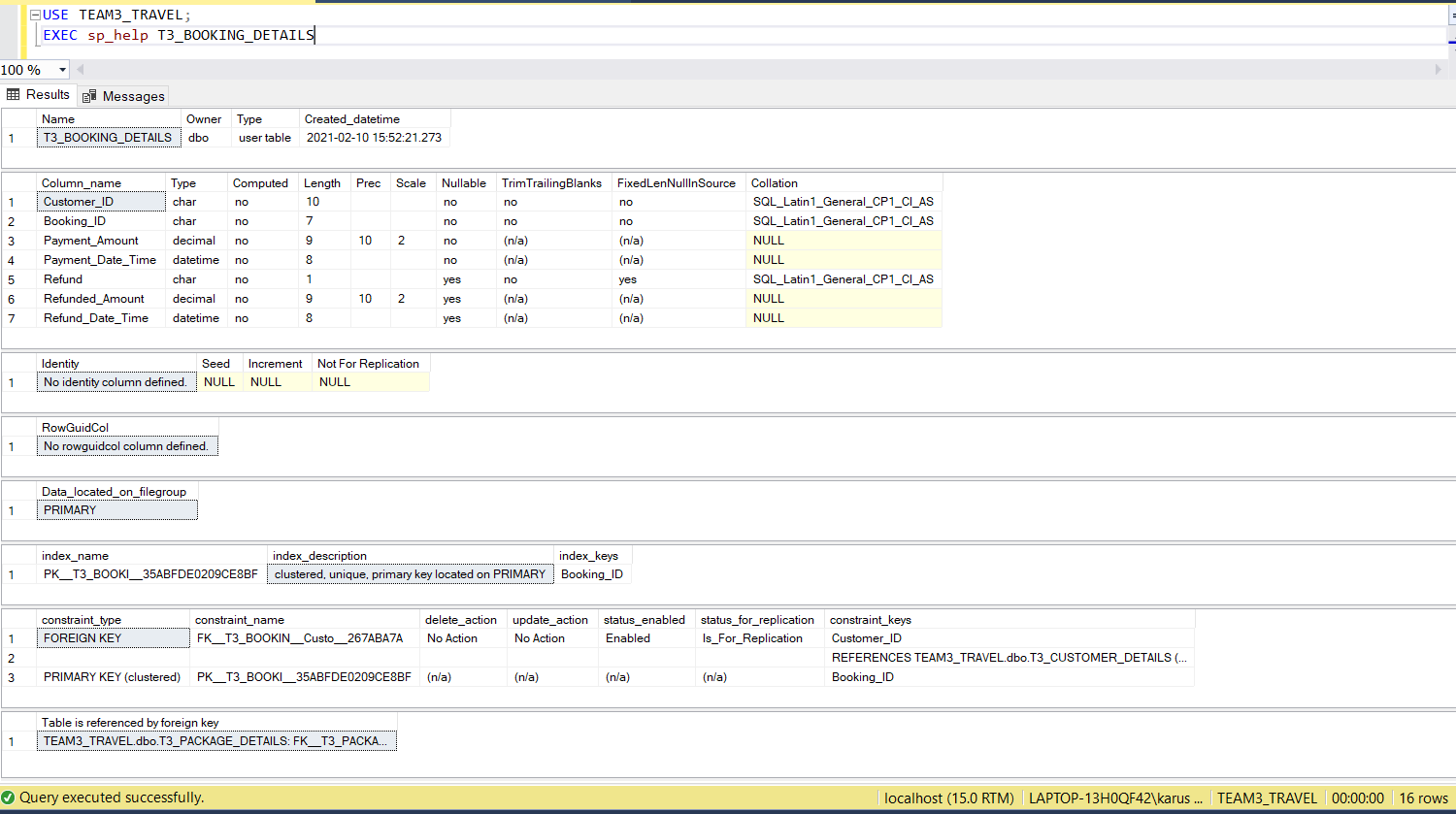
1. Show how to check the schema of the tables

**QUERY**

USE TEAM3\_TRAVEL;

EXEC sp\_help T3\_BOOKING\_DETAILS

**OUTPUT**

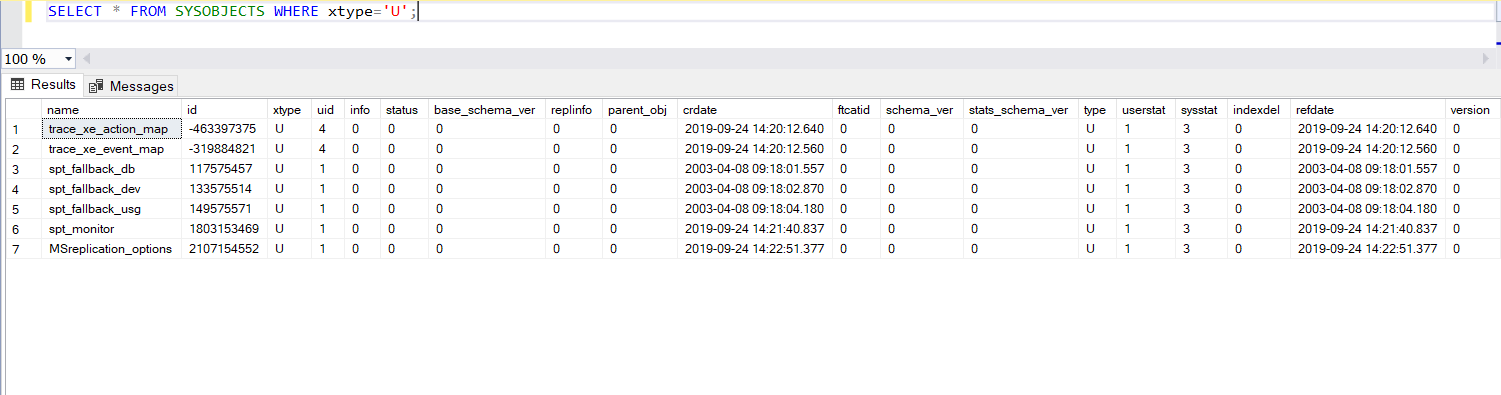
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1. Show all the tables from the database (This is not done in class.)

**QUERY**

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

**OUTPUT**

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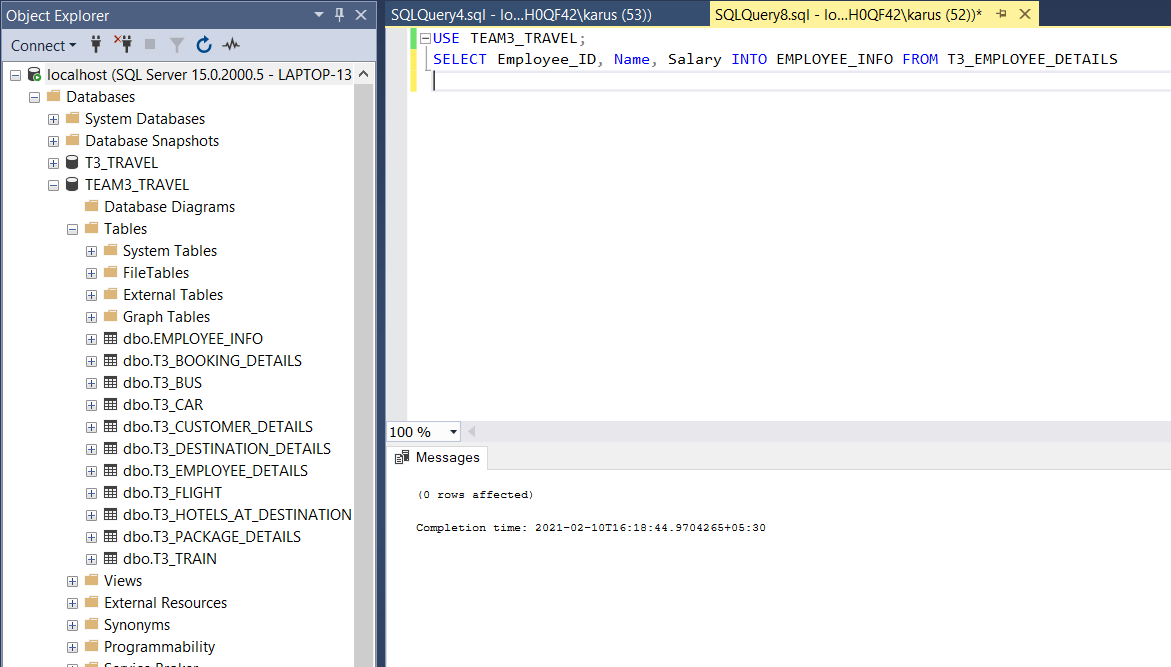
1. Create Table using Select Statement (I haven’t showed you this. I want you to try, it is very simple you should not have any problem).

**QUERY**

USE TEAM3\_TRAVEL;

SELECT Employee\_ID, Name, Salary INTO EMPLOYEE\_INFO FROM T3\_EMPLOYEE\_DETAILS

**OUTPUT**

****

1. 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**

CREATE TABLE MY\_FRIENDS\_DETAILS

(

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,

Age AS DATEDIFF(YEAR,DOB,GETDATE() ) ,

Address\_details TEXT

}

**OUTPUT**

