

DBMS LAB ASSIGNMENT 2

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GROUP NO: 2

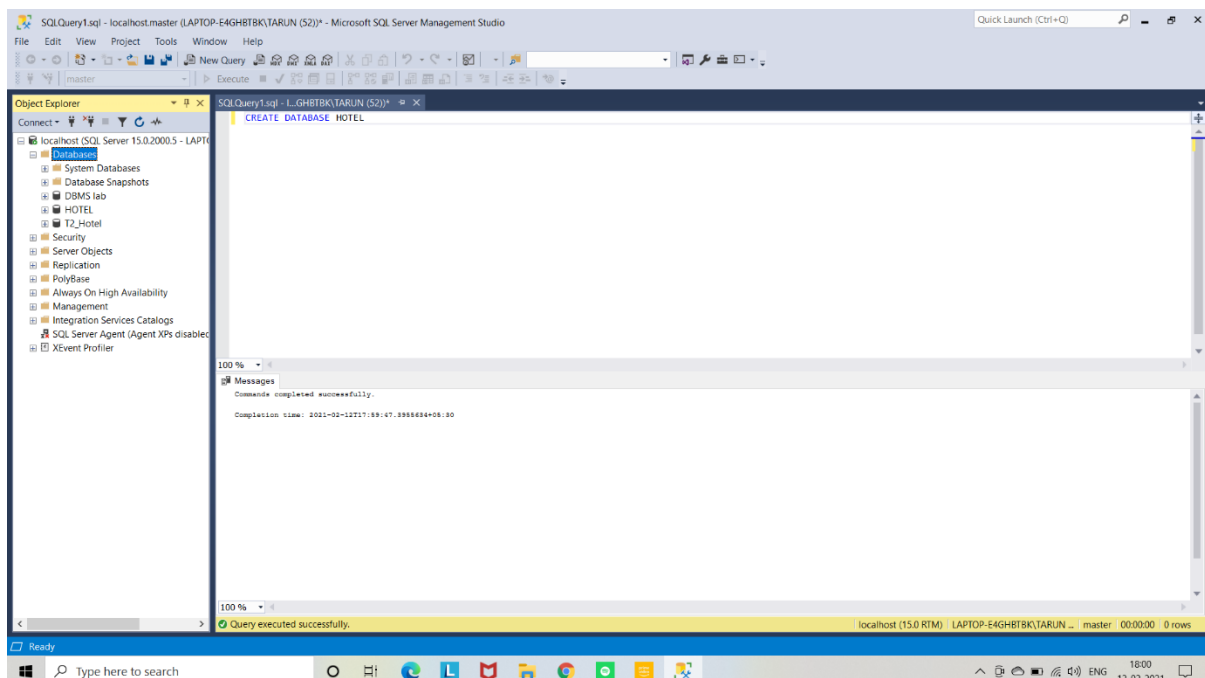
Q1) Show how to Create and Drop Database ?

SQL QUERY:

CREATE DATABASE database_name

DROP DATABASE database_name

OUTPUT:



Q3) Create table for your Database ?

SQL QUERY:

```
USE HOTEL;
```

```
CREATE TABLE T2_Customer(  
    Customer_ID INT PRIMARY KEY NOT NULL,  
    Customer_Name VARCHAR(30) NOT NULL,  
    Phone_number VARCHAR(12) NOT NULL,  
    City CHAR(20) NOT NULL,  
    State CHAR(20) NOT NULL,  
    Zipcode INT NOT NULL,  
    Email_ID VARCHAR(50),  
);
```

```
CREATE TABLE T2_Rooms  
(  
    Room_number INT PRIMARY KEY NOT NULL,  
    Room_Type VARCHAR(10) NOT NULL,  
    Room_location VARCHAR(10) NOT NULL,  
    number_of_beds INT NOT NULL,  
    Customer_ID INT FOREIGN KEY REFERENCES T2_Customer(Customer_ID) NOT NULL  
);
```

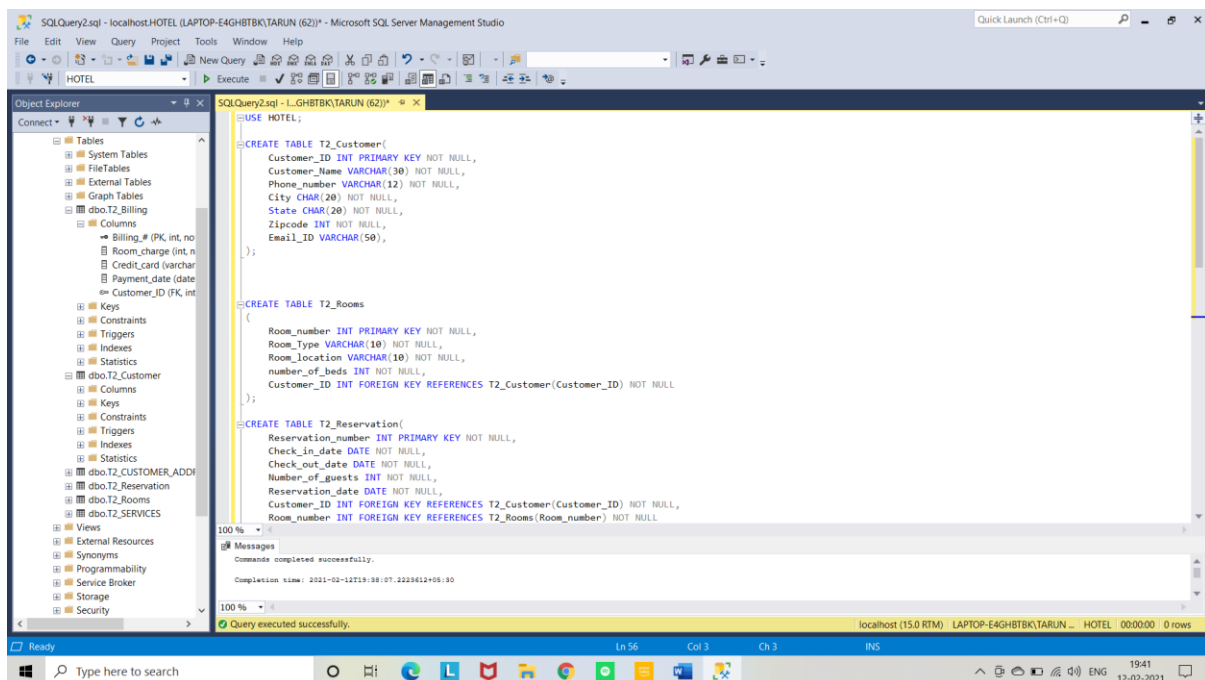
```
CREATE TABLE T2_Reservation(  
    Reservation_number INT PRIMARY KEY NOT NULL,  
    Check_in_date DATE NOT NULL,  
    Check_out_date DATE NOT NULL,  
    Number_of_guests INT NOT NULL,  
    Reservation_date DATE NOT NULL,  
    Customer_ID INT FOREIGN KEY REFERENCES T2_Customer(Customer_ID) NOT NULL,  
    Room_number INT FOREIGN KEY REFERENCES T2_Rooms(Room_number) NOT NULL  
);
```

```
CREATE TABLE T2_SERVICES(  
    Service_ID INT PRIMARY KEY NOT NULL,  
    Service_name CHAR(20) NOT NULL,  
    Service_cost INT NOT NULL,  
    Reservation_number INT FOREIGN KEY REFERENCES  
T2_Reservation(Reservation_number) NOT NULL  
);
```

```
CREATE TABLE T2_Billing(  
    Billing_# INT PRIMARY KEY NOT NULL,  
    Room_charge INT NOT NULL,  
    Credit_card VARCHAR(10) NOT NULL,  
    Payment_date DATE NOT NULL,  
    Customer_ID INT FOREIGN KEY REFERENCES T2_Customer(Customer_ID) NOT NULL  
);
```

```
CREATE TABLE T2_CUSTOMER_ADDRESS(  
    Customer_ID INT PRIMARY KEY FOREIGN KEY REFERENCES T2_Customer(Customer_ID) NOT  
NULL,  
    Street VARCHAR(50) NOT NULL,  
    DNO VARCHAR(50) NOT NULL,  
    Zipcode INT NOT NULL,  
    City CHAR(20) NOT NULL,  
    State CHAR(20) NOT NULL,  
);
```

OUTPUT:

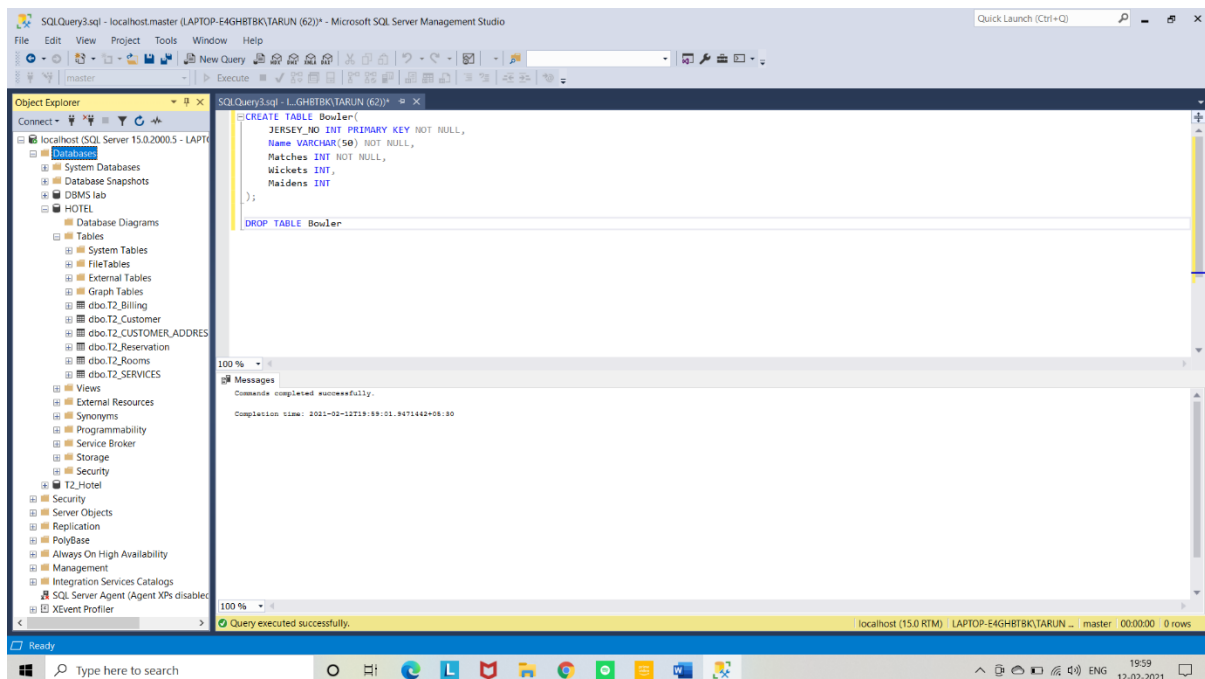


Q4) Drop Table ?

SQL QUERY:

DROP TABLE table_name

OUTPUT:



Q5) Show how to check the schema of the tables ?

SQL QUERY:

USE Dtabase_name;

EXEC sp_help Table_name

OUTPUT:

SQLQuery5.sql - localhost:HOTEL (LAPTOP-E4GH8TBK)\TARUN (62)* - Microsoft SQL Server Management Studio

Object Explorer: Connect - localhost (SQL Server 15.0.2000.5 - LAPTOP-E4GH8TBK)\TARUN (62)* - Databases - HOTEL - Tables - T2_Rooms

SQLQuery5.sql - L-GH8TBK\TARUN (62)*

```
USE HOTEL;
EXEC sp_help T2_Rooms
```

Results: Messages

Name	Owner	Type	Created_date
T2_Rooms	dbo	user table	2021-02-12 19:38:07.000

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
Room_number	int	no	4	10	0	no	(n/a)	(n/a)	NULL
Room_Type	varchar	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
Room_location	varchar	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
number_of_beds	int	no	4	10	0	no	(n/a)	(n/a)	NULL
Customer_ID	int	no	4	10	0	no	(n/a)	(n/a)	NULL

Identity	Seed	Increment	Not For Replication
No identity column defined.	NULL	NULL	NULL

RowGuidCol
No rowguidcol column defined.

Data located on filegroup
PRIMARY

index_name	index_description	index_keys
PK_T2_Rooms_20BA8110D99296F9	clustered, unique, primary key located on PRIMARY	Room_number

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	FK_T2_Rooms_Custom_267AB47A	No Action	No Action	Enabled	Is_For_Replication	Customer_ID
PRIMARY KE	PK_T2_Rooms_20BA8110D99296...	(n/a)	(n/a)	(n/a)	(n/a)	Room_number

Table is referenced by foreign key

HOTEL.dbo.T2_Reservations_FK_T2_Rooms_Room_2...

Query executed successfully. localhost (15.0 RTM) LAPTOP-E4GH8TBK\TARUN ... HOTEL 00:00:01 14 rows

Q6) Show all the tables from the database ?

SQL QUERY:

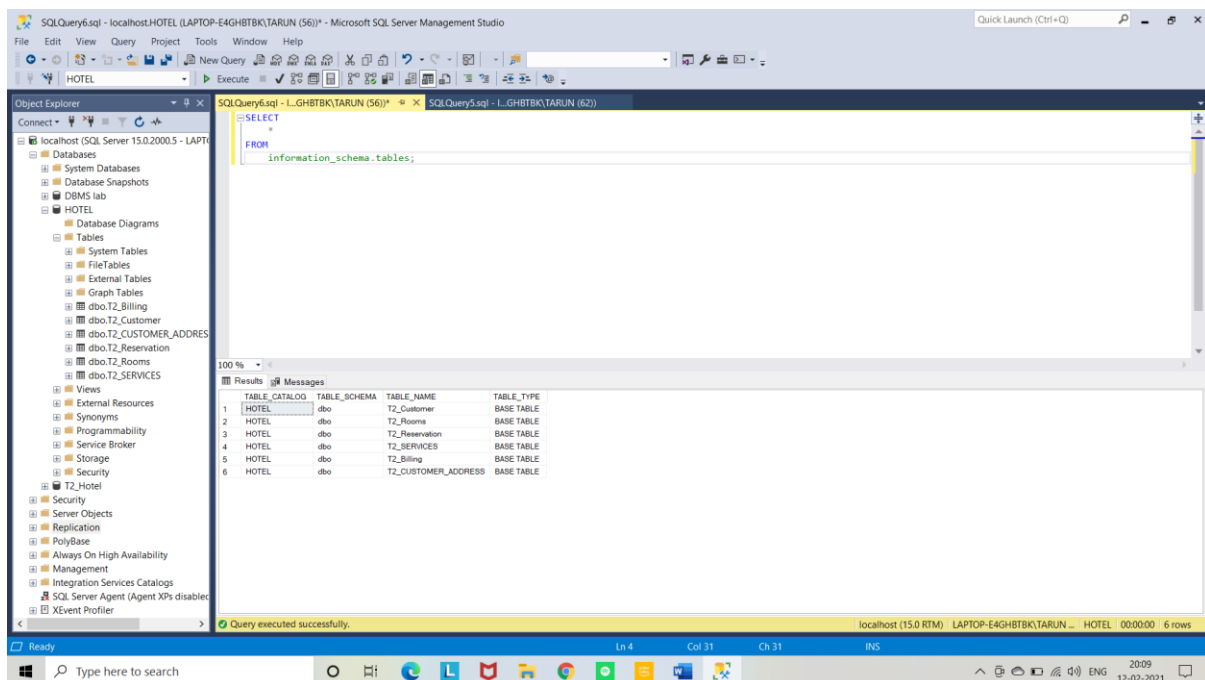
SELECT

*

FROM

information_schema.tables;

OUTPUT:

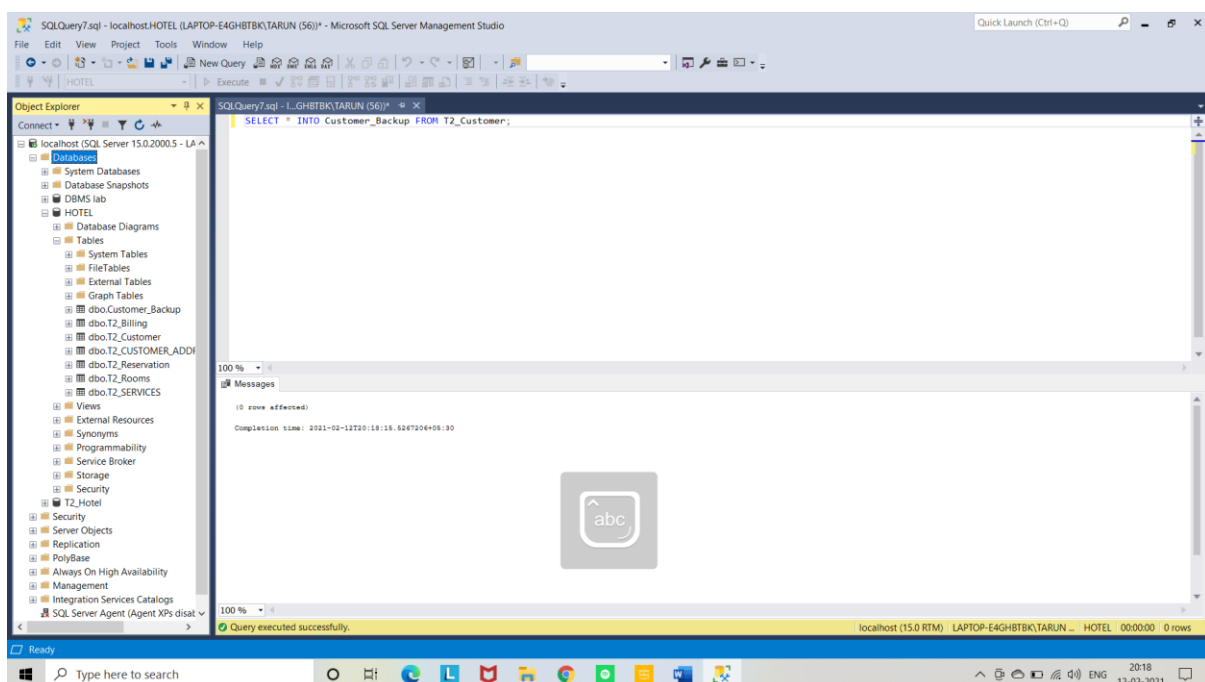


Q7) Create table using Select statement ?

SQL QUERY:

SELECT * INTO newtable FROM oldtable WHERE <condition>

OUTPUT:



Q8) Create a table which has derived attribute.

SQL QUERY:

Attribute_name AS <condition>

OUTPUT:

