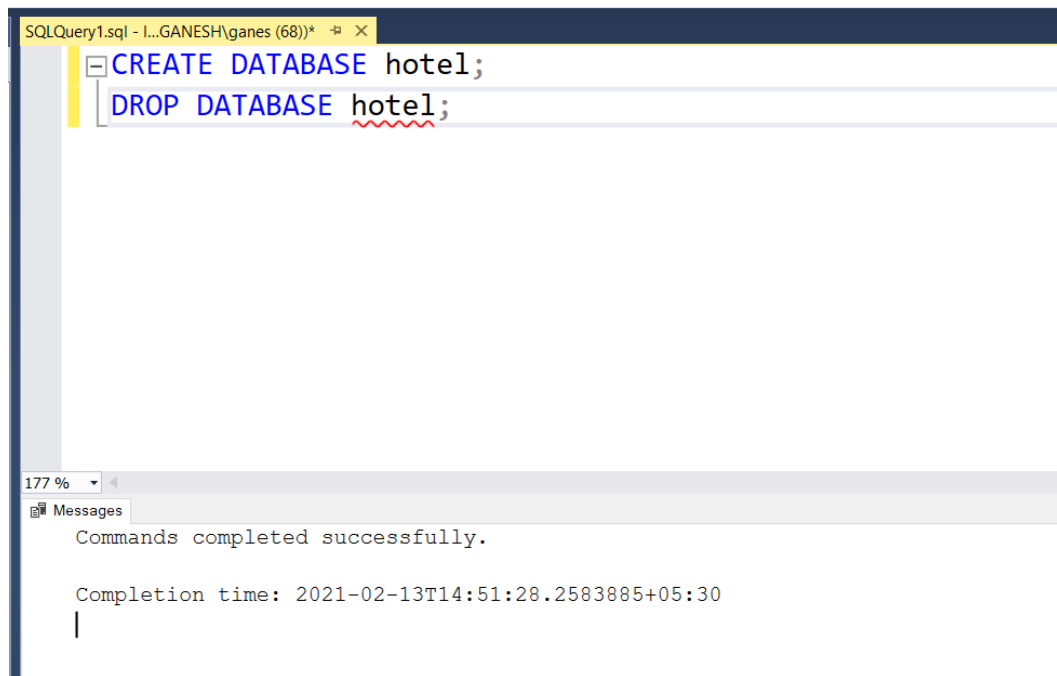


DBMS LAB ASSIGNMENT

NAME: K.Sai Ganesh

REG.: 19BCS055

- 1.) Show how to Create and Drop Database.



The screenshot shows a SQL Query Editor window with the title bar 'SQLQuery1.sql - I...GANESH\ganes (68))' and standard window controls. The editor contains two lines of SQL code: 'CREATE DATABASE hotel;' and 'DROP DATABASE hotel;'. The word 'hotel' in the second line is underlined with a red squiggly line. Below the editor, a 'Messages' pane shows the output: 'Commands completed successfully.' and 'Completion time: 2021-02-13T14:51:28.2583885+05:30'. A zoom level of '177 %' is visible in the top left of the messages pane.

```
SQLQuery1.sql - I...GANESH\ganes (68))  
CREATE DATABASE hotel;  
DROP DATABASE hotel;  
  
Messages  
Commands completed successfully.  
Completion time: 2021-02-13T14:51:28.2583885+05:30
```

- 2.) Show all the Databases are in the system.

SQLQuery2.sql - I...GANESH\ganes (64))* SQLQuery1.sql - I...GANESH\ganes (68))*

```
SELECT * FROM sys.databases WHERE database_id>0;
```

177 %

Results Messages

| | name | database_id | source_database_id | owner_sid | create_date | compatibility_level | collation_name | user_access | user_access_desc | is_read_only | is_auto_close_on | is_auto_shrink_on | state | state_desc | is_in_standby |
|---|--------|-------------|--------------------|-----------|-------------------------|---------------------|------------------------------|-------------|------------------|--------------|------------------|-------------------|-------|------------|---------------|
| 1 | master | 1 | NULL | 0x01 | 2003-04-08 09:13:36.390 | 150 | SQL_Latin1_General_CP1_CI_AS | 0 | MULTI_USER | 0 | 0 | 0 | 0 | ONLINE | 0 |
| 2 | tempdb | 2 | NULL | 0x01 | 2021-02-12 08:41:11.330 | 150 | SQL_Latin1_General_CP1_CI_AS | 0 | MULTI_USER | 0 | 0 | 0 | 0 | ONLINE | 0 |
| 3 | model | 3 | NULL | 0x01 | 2003-04-08 09:13:36.390 | 150 | SQL_Latin1_General_CP1_CI_AS | 0 | MULTI_USER | 0 | 0 | 0 | 0 | ONLINE | 0 |
| 4 | msdb | 4 | NULL | 0x01 | 2019-09-24 14:21:42.270 | 150 | SQL_Latin1_General_CP1_CI_AS | 0 | MULTI_USER | 0 | 0 | 0 | 0 | ONLINE | 0 |

3.) Create a Table for your Database.

SQLQuery3.sql - I...GANESH\ganes (65))* SQLQuery2.sql - I...GANESH\ganes (64))* SQLQ

```
CREATE TABLE customer(
  ID int primary key not null,
  Name varchar(45) not null,
  Phnno varchar(10) not null,
  Roomno varchar(10) not null,
  address varchar(20) not null
);
```

177 %

Messages

Commands completed successfully.

Completion time: 2021-02-13T15:16:17.1057602+05:30

4.) Drop table.

```
SQLQuery4.sql - I...GANESH\ganes (66))* SQLQuery3.sql - I...GANESH\ganes (65))* SQL
CREATE TABLE stock(
    ID int primary key not null,
    state varchar(10) not null
);
DROP TABLE stock;
```

177 %

Messages

Commands completed successfully.

Completion time: 2021-02-13T15:21:25.7435959+05:30

5.) Show how to check the schema of the tables.

```
SQLQuery6.sql - I...GANESH\ganes (67)) SQLQuery5.sql - I...GANESH\ganes (51))* SQLQuery4.sql - I...GANESH\ganes (66))*
sp_help customer;
```

177 %

Results Messages

| Name | Owner | Type | Created_datetime |
|----------|-------|------------|-------------------------|
| customer | dbo | user table | 2021-02-13 15:16:16.903 |

| Column_name | Type | Computed | Length | Prec | Scale | Nullable | TrimTrailingBlanks | FixedLenNullInSource | Collation |
|-------------|---------|----------|--------|------|-------|----------|--------------------|----------------------|------------------------------|
| 1 ID | int | no | 4 | 10 | 0 | no | (n/a) | (n/a) | NULL |
| 2 Name | varchar | no | 45 | | | no | no | no | SQL_Latin1_General_CP1_CI_AS |
| 3 Phnno | varchar | no | 10 | | | no | no | no | SQL_Latin1_General_CP1_CI_AS |
| 4 Roomno | varchar | no | 10 | | | no | no | no | SQL_Latin1_General_CP1_CI_AS |
| 5 address | varchar | no | 20 | | | no | no | no | SQL_Latin1_General_CP1_CI_AS |

| Identity | Seed | Increment | Not For Replication |
|-------------------------------|------|-----------|---------------------|
| 1 No identity column defined. | NULL | NULL | NULL |

| RowGuidCol |
|---------------------------------|
| 1 No rowguidcol column defined. |

| Data located on filegroup |
|---------------------------|
| 1 PRIMARY |

| index_name | index_description | index_keys |
|--------------------------------|---|------------|
| 1 PK_customer_3214EC278680631C | clustered, unique, primary key located on PRIMARY | ID |

| constraint_type | constraint_name | delete_action | update_action | status_enabled | status_for_replication | constraint_keys |
|---------------------------|------------------------------|---------------|---------------|----------------|------------------------|-----------------|
| 1 PRIMARY KEY (clustered) | PK_customer_3214EC278680631C | (n/a) | (n/a) | (n/a) | (n/a) | ID |

6.) Show how to check the schema of the tables.

SQLQuery6.sql - I...GANESH\ganes (67))* SQLQuery5.sql - I...GANESH\ganes (51))* SQLQuery4.sql - I...GANESH\ganes (66))*

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

177 %

Results Messages

| | name | id | xtype | uid | info | status | base_schema_ver | replinfo | parent_obj | crdate | ftcatid | schema_ver |
|---|-----------------------|------------|-------|-----|------|--------|-----------------|----------|------------|-------------------------|---------|------------|
| 1 | trace_xe_action_map | -463397375 | U | 4 | 0 | 0 | 0 | 0 | 0 | 2019-09-24 14:20:12.640 | 0 | 0 |
| 2 | trace_xe_event_map | -319884821 | U | 4 | 0 | 0 | 0 | 0 | 0 | 2019-09-24 14:20:12.560 | 0 | 0 |
| 3 | spt_fallback_db | 117575457 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2003-04-08 09:18:01.557 | 0 | 0 |
| 4 | spt_fallback_dev | 133575514 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2003-04-08 09:18:02.870 | 0 | 0 |
| 5 | spt_fallback_usg | 149575571 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2003-04-08 09:18:04.180 | 0 | 0 |
| 6 | customer | 279672044 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2021-02-13 15:16:16.903 | 0 | 0 |
| 7 | spt_monitor | 1803153469 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2019-09-24 14:21:40.837 | 0 | 0 |
| 8 | MSreplication_options | 2107154552 | U | 1 | 0 | 0 | 0 | 0 | 0 | 2019-09-24 14:22:51.377 | 0 | 0 |

7.) Create Table using Select Statement.

SQLQuery7.sql - I...GANESH\ganes (74))* SQLQuery6.sql - I...GANESH\ganes (67))* SQLQuery5.sql - I...GANESH\ganes (51))*

```
SELECT ID, Phnno, Roomno INTO details FROM customer;
```

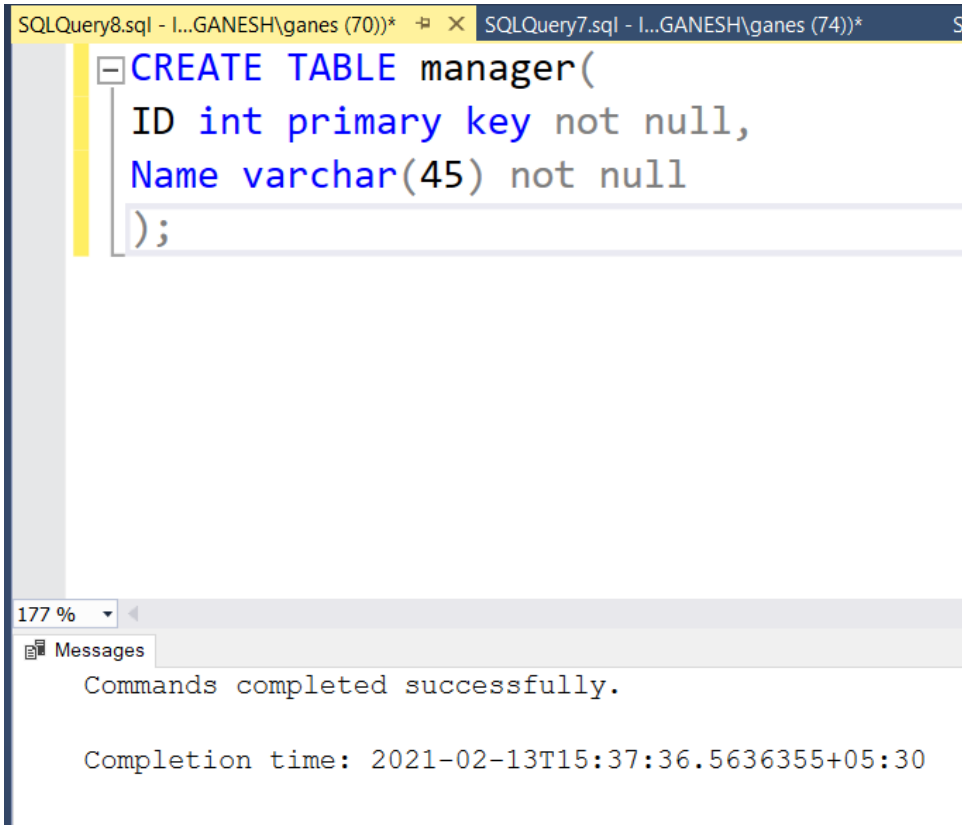
177 %

Messages

(0 rows affected)

Completion time: 2021-02-13T15:34:12.4201952+05:30

8.) Create a table which has derived attribute.



The screenshot shows a SQL Server Enterprise Manager interface. At the top, there are two tabs: 'SQLQuery8.sql - I...GANESH\ganes (70))*' and 'SQLQuery7.sql - I...GANESH\ganes (74))*'. The main editor area contains the following SQL code:

```
CREATE TABLE manager(  
  ID int primary key not null,  
  Name varchar(45) not null  
);
```

 Below the editor, there is a 'Messages' pane with a zoom level of '177 %'. It displays the message 'Commands completed successfully.' and the completion time '2021-02-13T15:37:36.5636355+05:30'.

```
SQLQuery8.sql - I...GANESH\ganes (70))* SQLQuery7.sql - I...GANESH\ganes (74))*  
CREATE TABLE manager(  
  ID int primary key not null,  
  Name varchar(45) not null  
);  
177 %  
Messages  
Commands completed successfully.  
Completion time: 2021-02-13T15:37:36.5636355+05:30
```