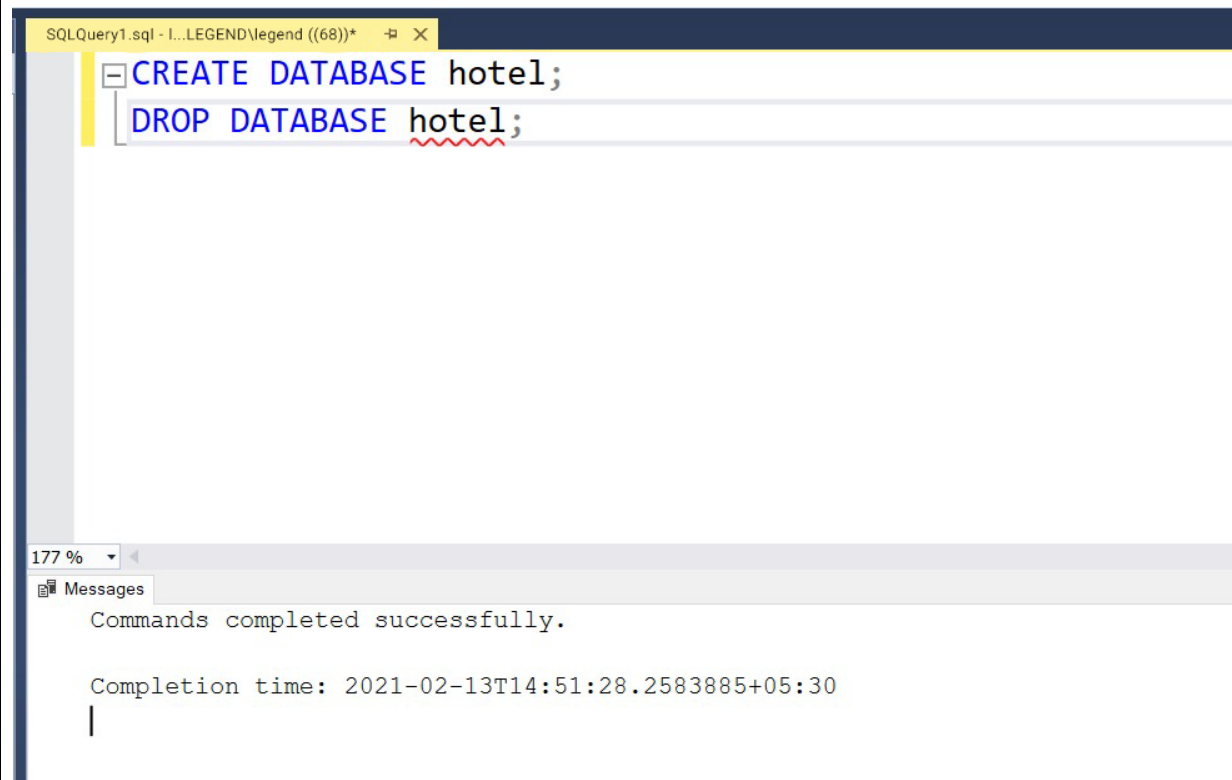


# DBMS LAB ASSIGNMENT

**NAME: Divyansh Tripathi**

**REG.: 19BCS039**

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



The screenshot shows a SQL query editor window with a dark blue header bar. The title bar reads "SQLQuery1.sql - I...LEGEND\legend ((68))\*". 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 wavy line. Below the editor is a "Messages" pane with a zoom level of "177 %". It displays the message "Commands completed successfully." and the completion time "2021-02-13T14:51:28.2583885+05:30".

```
SQLQuery1.sql - I...LEGEND\legend ((68))*
CREATE DATABASE hotel;
DROP DATABASE hotel;
```

177 %  
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...LEGEND\legend ((64))\*

SQLQuery1.sql - I...LEGEND\legend ((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.**

```
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.**

```
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...LEGEND\legend ((67))\*

SQLQuery5.sql - I...LEGEND\legend ((51))\*

SQLQuery4.sql - I...LEGEND\legend ((66))\*

**sp\_help** customer;

177 %

Results Messages

	Name	Owner	Type	Created_datetime	
1	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...LEGEND\legend ((67))\* SQLQuery5.sql - I...LEGEND\legend ((51))\* SQLQuery4.sql - I...LEGEND\legend ((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...LEGEND\legend ((74))\*SQLQuery6.sql - I...LEGEND\legend ((67))\*SQLQuery5.sql - I...LEGEND\legend ((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.**

SQLQuery8.sql - I...LEGEND\legend ((70))\*

SQLQuery7.sql - I...LEGEND\legend ((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