DBMS LAB ASSIGNMENT-2

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ROLL NO:19BCS047
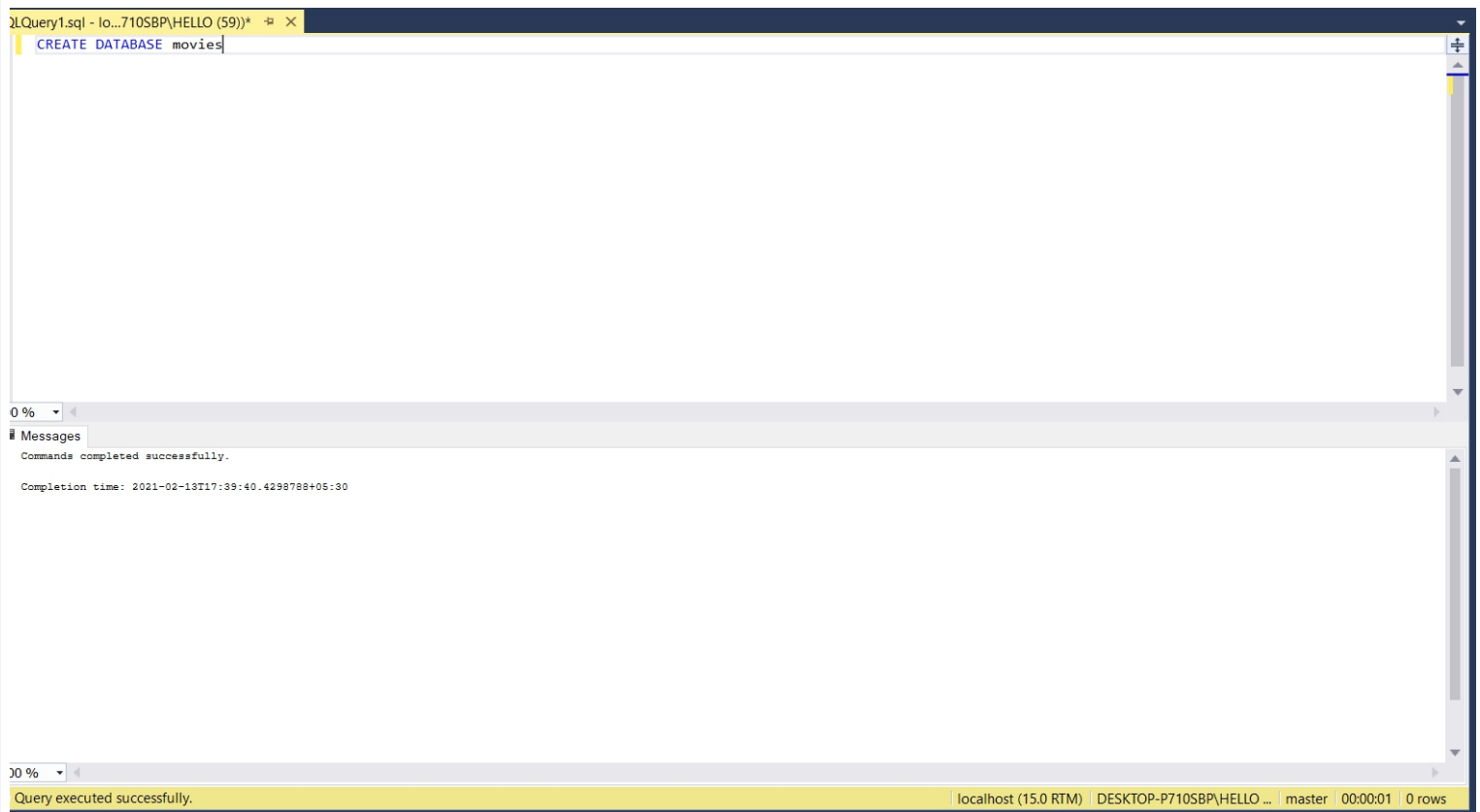
Q1) Show how to Create and Drop Database?

SQL QUERY:
CREATE DATABASE database_name
DROP DATABASE database_name

OUTPUT:

```
QLQuery1.sql - lo...710SBP\HELLO (59))*   ⊕ ×
   CREATE DATABASE movies
```

```
Messages
  Commands completed successfully.

  Completion time: 2021-02-13T17:39:40.4298788+05:30
```

Query executed successfully.   localhost (15.0 RTM) | DESKTOP-P710SBP\HELLO ... | master | 00:00:01 | 0 rows

Q2) Show all the databases are in the system?

SQL QUERY:
SELECT*FROM sys.databases where database_id>0

OUTPUT:

	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	2021-02-13 16:59:45.333	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

Q3) Create table for your Database?

SQL QUERY:

```
CREATE TABLE MOVIE2
(
ID int primary key not null,
NAME varchar(45) not null,
Genre varchar(45) not null,
SuccessfulMovies int not null,
DirectorsName varchar(45) not null,
Actors varchar(45) not null,
);
```

OUTPUT:

```sql
CREATE TABLE MOVIE2
(
ID int primary key not null,
NAME varchar(45) not null,
Genre varchar(45) not null,
SuccessfulMovies int not null,
DirectorsName varchar(45) not null,
Actors varchar(45) not null,
);
```

100 %   ▾

Messages

Commands completed successfully.

Completion time: 2021-02-13T17:58:33.5887450+05:30

100 %   ▾

✔ Query executed successfully.　　　　　　　localhost (15.0 RTM)　DESKTOP-P710SBP\HELLO ...　master　00:00:00　0 rows

Q4) Drop Table?
SQL QUERY:
DROP TABLE table_name

OUTPUT:

```sql
CREATE TABLE table_name1
(
rollno varchar(10) primary key not null,
name varchar(45) not null,
Genre varchar(45) not null,
age int not null
);
```

100 %   ▾

Messages

Commands completed successfully.

Completion time: 2021-02-13T18:04:07.6234618+05:30

100 %   ▾

✔ Query executed successfully.　　　　　　　localhost (15.0 RTM)　DESKTOP-P710SBP\HELLO ...

```
DROP TABLE table_name1
```

100 % ▼ ◂

🗒 Messages

```
Commands completed successfully.

Completion time: 2021-02-13T18:16:24.0071258+05:30
```

100 % ▼ ◂

✅ Query executed successfully.   localhost (15.0 RTM)   DESKTOP-P710SBP\HELLO ...
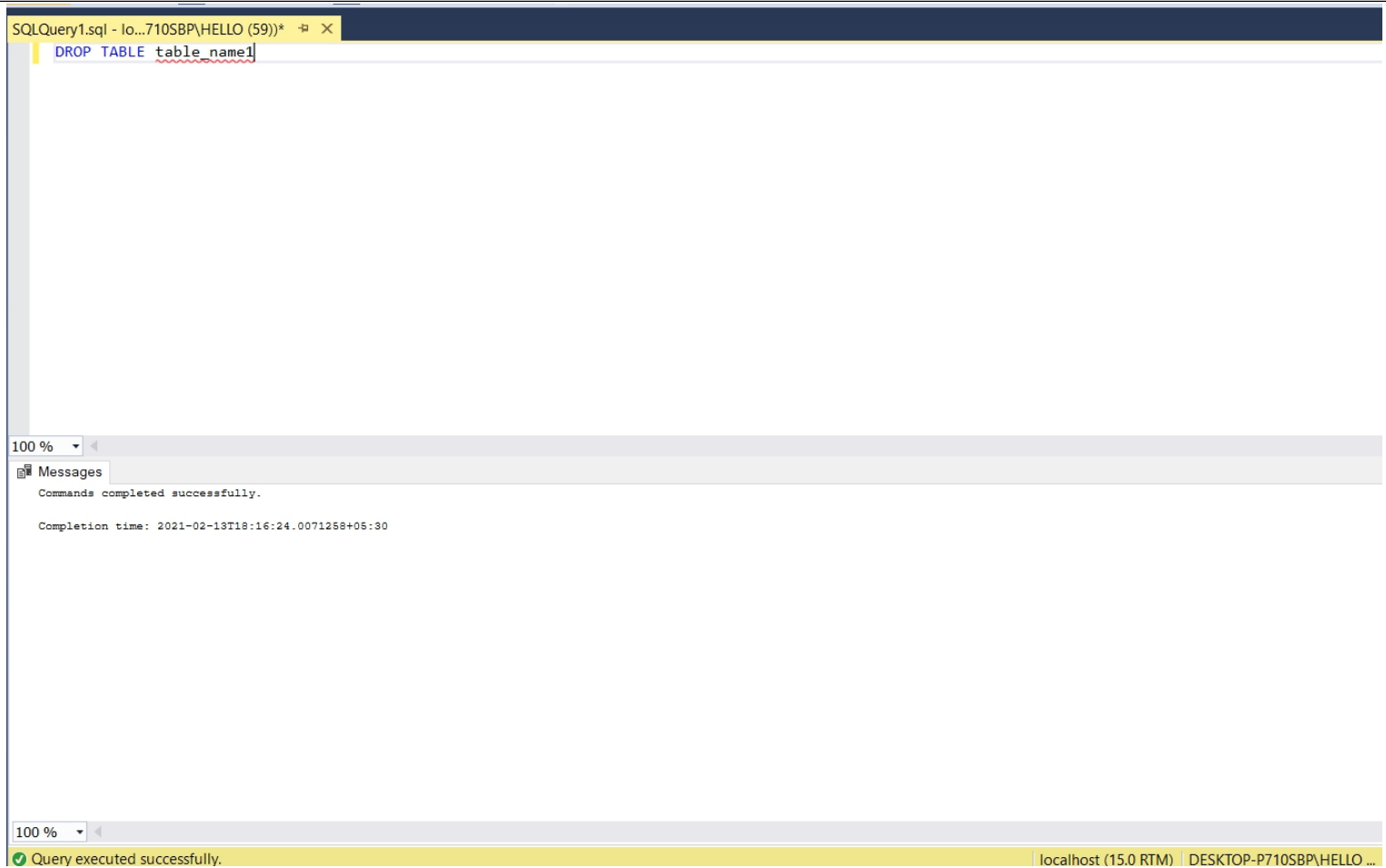
Q5) Show how to check the schema of the tables?

SQL QUERY:

sp_help Table_name

OUTPUT:

```
sp_help MOVIE2
```

100 % ▼ ◂

▦ Results 🗒 Messages

	Name	Owner	Type	Created_datetime
1	MOVIE2	dbo	user table	2021-02-13 17:58:33.503

	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	Genre	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS
4	SuccessfulMovies	int	no	4	10	0	no	(n/a)	(n/a)	NULL
5	DirectorsName	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS
6	Actors	varchar	no	45			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					
PK__MOVIE2__3214EC2770E96F19	clustered, unique, primary key located on PRIMARY	ID					

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
PRIMARY KEY (clustered)	PK__MOVIE2__3214EC2770E96F19	(n/a)	(n/a)	(n/a)	(n/a)	ID

Query executed successfully.   localhost (15.0 RTM) DESKTOP-P710SBP\HELLO ... master 00:00:00 1 rows

Q6) Show all the tables are from database?

SQL QUERY:

SELECT*FROM SYSOBJECTS

OUTPUT:

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

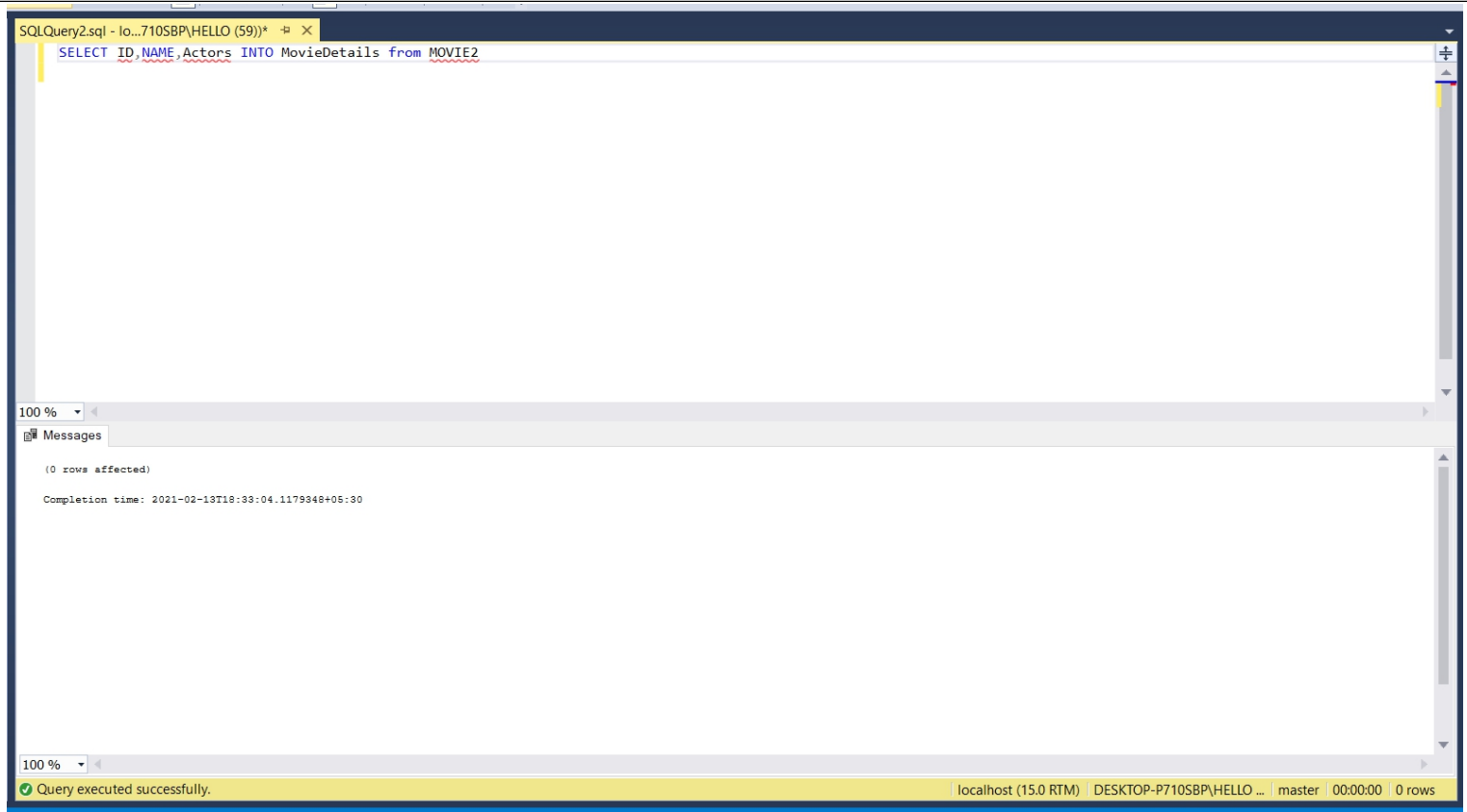|	name	id	xtype	uid	info	status	base_schema_ver	replinfo	parent_obj	crdate	ftcatid	schema_ver	stats_schema_ver	type	userstat	sysstat	indexdel	refdate	version	deltrig	inst
1	trace_xe_action_map	-463397375	U	4	0	0	0	0	0	2019-09-24 14:20:12.640	0	0	0	U	1	3	0	2019-09-24 14:20:12.640	0	0	0
2	trace_xe_event_map	-319884821	U	4	0	0	0	0	0	2019-09-24 14:20:12.560	0	0	0	U	1	3	0	2019-09-24 14:20:12.560	0	0	0
3	spt_fallback_db	117575457	U	1	0	0	0	0	0	2003-04-08 09:18:01.557	0	0	0	U	1	3	0	2003-04-08 09:18:01.557	0	0	0
4	spt_fallback_dev	133575514	U	1	0	0	0	0	0	2003-04-08 09:18:02.870	0	0	0	U	1	3	0	2003-04-08 09:18:02.870	0	0	0
5	spt_fallback_usg	149575571	U	1	0	0	0	0	0	2003-04-08 09:18:04.180	0	0	0	U	1	3	0	2003-04-08 09:18:04.180	0	0	0
6	MOVIE2	279672044	U	1	0	0	0	0	0	2021-02-13 17:58:33.503	0	0	0	U	1	3	0	2021-02-13 17:58:33.503	0	0	0
7	spt_monitor	1803153469	U	1	0	0	0	0	0	2019-09-24 14:21:40.837	0	0	0	U	1	3	0	2019-09-24 14:21:40.837	0	0	0
8	MSreplication_options	2107154552	U	1	0	0	0	0	0	2019-09-24 14:22:51.377	0	0	0	U	1	3	0	2019-09-24 14:22:51.377	0	0	0

Query executed successfully.   localhost (15.0 RTM) DESKTOP-P710SBP\HELLO ... master 00:00:00 8 rows

Q7) Create table using SELECT statement?

SQL QUERY:

SELECT*INTO newtable FROM oldtable WHERE<condition>

OUTPUT:

```
SQLQuery2.sql - lo...710SBP\HELLO (59))*  ⊏ X
   SELECT ID,NAME,Actors INTO MovieDetails from MOVIE2
```

```
100 %   ▼  ◄
⊞ Messages
   (0 rows affected)

   Completion time: 2021-02-13T18:33:04.1179348+05:30
```

100 %   ▼ ◄
🔘 Query executed successfully.   localhost (15.0 RTM)   DESKTOP-P710SBP\HELLO ...   master   00:00:00   0 rows

Q8) Create a table which has derived attribute?

OUTPUT:

```
SQLQuery2.sql - lo...710SBP\HELLO (59))*  ⊏ X
 ⊟CREATE TABLE Payment_Details
   (
   ActorID int primary key not null,
   ActorName varchar(45) not null,
   ActorAge int not null,
   MoviesCount int not null,
   )
```

```
100 %   ▼  ◄
⊞ Messages
   Commands completed successfully.

   Completion time: 2021-02-13T18:36:40.5075224+05:30
```

100 %   ▼ ◄
🔘 Query executed successfully.   localhost (15.0 RTM)   DESKTOP-P710SBP\HELLO ...   master   00:00:00   0 rows