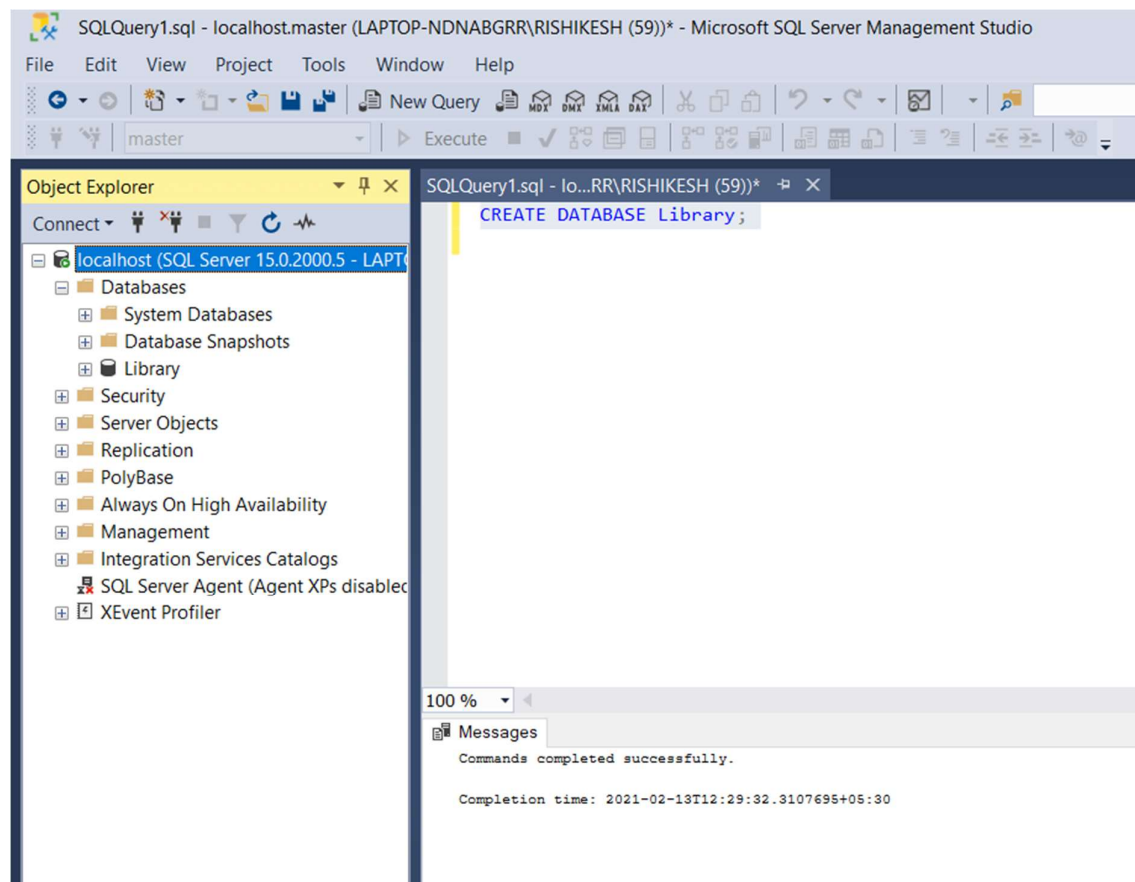


DBMS LAB ASSIGNMENT-2

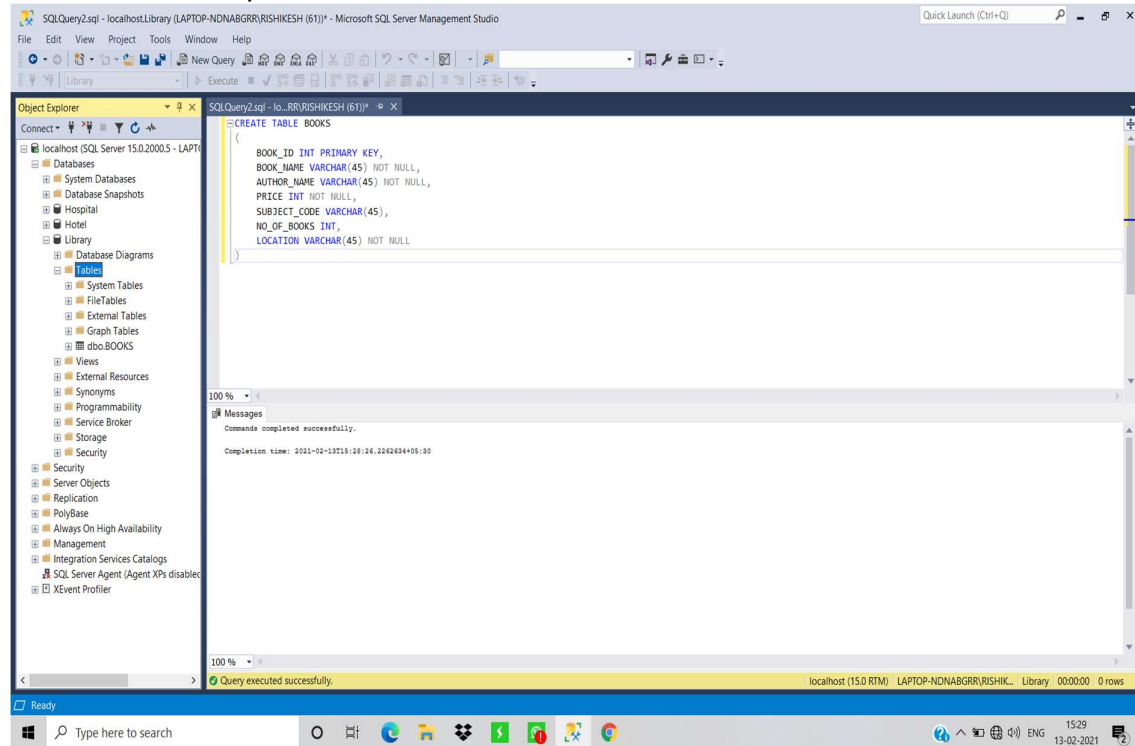
NAME : DASARI RISHIKESH

ROLL : 19BCS035

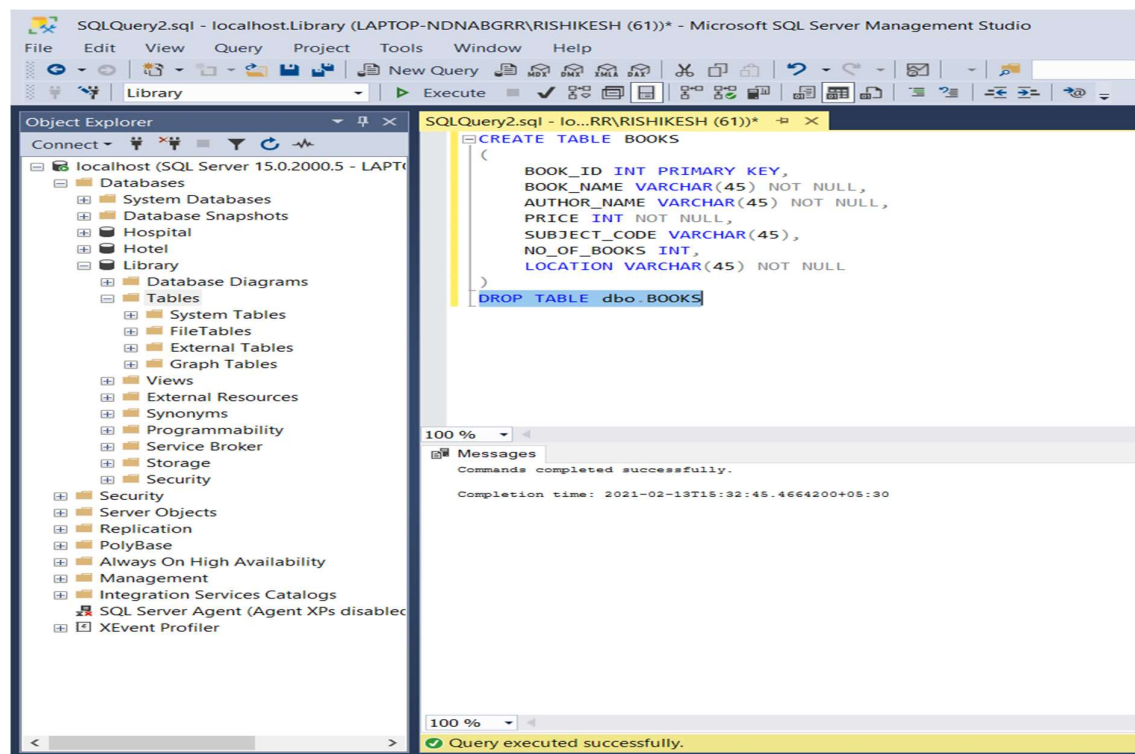
1. Show how to Create and Drop Database.



3. Create Table for your Database



4. Drop table



5. Show how to check the schema of the tables

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'localhost (SQL Server 15.0.2000.5 - LAPTOP-NDNABGRR\RISHIKESH (61))'. The 'Library' database is expanded, showing 'Tables' and 'dbo.BOOKS'. The main query window contains the command `sp_help BOOKS;`. The Results pane shows the schema details for the 'BOOKS' table.

Name	Owner	Type	Created_datetime
BOOKS	dbo	user table	2021-02-13 15:44:09.880

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
BOOK_ID	int	no	4	10	0	no	no	no	NULL
BOOK_NAME	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS
AUTHOR_NAME	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS
PRICE	int	no	4	10	0	no	(n/a)	(n/a)	NULL
SUBJECT_CODE	varchar	no	45			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
NO_OF_BOOKS	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
LOCATION	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuidCol: No rowguidcol column defined.

Data_located_on_filegroup: PRIMARY.

Query executed successfully.

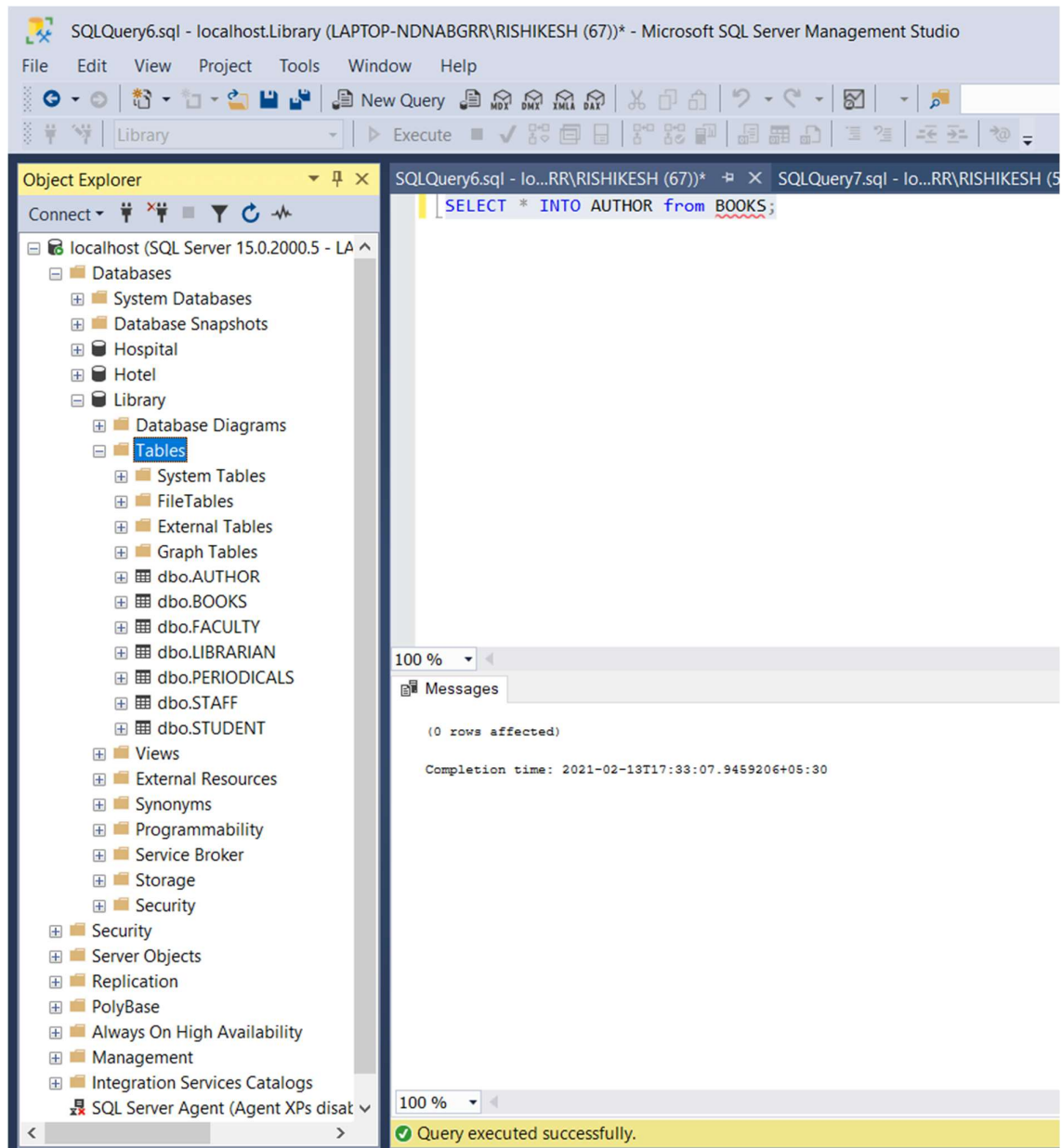
6. Show all the tables from the database (This is not done in class.)

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'localhost (SQL Server 15.0.2000.5 - LAPTOP-NDNABGRR\RISHIKESH (67))'. The 'Library' database is expanded, showing 'Tables' and 'dbo.BOOKS'. The main query window contains the command `SELECT * FROM SYSOBJECTS WHERE xtype='U'`. The Results pane shows the list of tables in the 'Library' database.

name	id	stpe	uid	info	status	base_schema_ver	replinfo	parent_obj	crdate	tblstat	schema_ver	stats_schema_ver	type	userstat	sysstat	indexed	refdate	version	delimg	instrg	updt
BOOKS	693579509	U	1	0	0	0	0	0	2021-02-13 15:44:09.880	0	0	0	U	1	3	0	2021-02-13 15:44:09.880	0	0	0	0
STUDENT	72957823	U	1	0	0	0	0	0	2021-02-13 16:23:42.120	0	0	0	U	1	3	0	2021-02-13 16:23:42.120	0	0	0	0
FACULTY	757577737	U	1	0	0	0	0	0	2021-02-13 16:55:47.337	0	0	0	U	1	3	0	2021-02-13 16:55:47.337	0	0	0	0
STAFF	805579608	U	1	0	0	0	0	0	2021-02-13 17:00:12.230	0	0	0	U	1	3	0	2021-02-13 17:00:12.230	0	0	0	0
PERIODICALS	837578022	U	1	0	0	0	0	0	2021-02-13 17:06:06.917	0	0	0	U	1	3	0	2021-02-13 17:06:06.917	0	0	0	0
LIBRARIAN	869578136	U	1	0	0	0	0	0	2021-02-13 17:13:43.320	0	0	0	U	1	3	0	2021-02-13 17:13:43.320	0	0	0	0

Query executed successfully.

7. 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).



8. 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).

The screenshot displays the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer shows the 'Library' database selected, with the 'Tables' folder expanded. The main query window, titled 'SQLQuery4.sql - lo...RR\RISHIKESH (54))*', contains the following SQL code:

```
CREATE TABLE BOOK_RECORD  
(  
    BOOK_ID INT PRIMARY KEY NOT NULL,  
    ISSUED_DATE VARCHAR(15) NOT NULL,  
    EXPIRY_DATE VARCHAR(15) NOT NULL,  
    FINE AS DATEDIFF(YEAR, EXPIRY_DATE, GETDATE())  
)
```

Below the query window, the Messages pane shows the following output:

```
Commands completed successfully.  
  
Completion time: 2021-02-13T17:42:55.5573498+05:30
```

At the bottom of the interface, a yellow status bar indicates: 'Query executed successfully.'