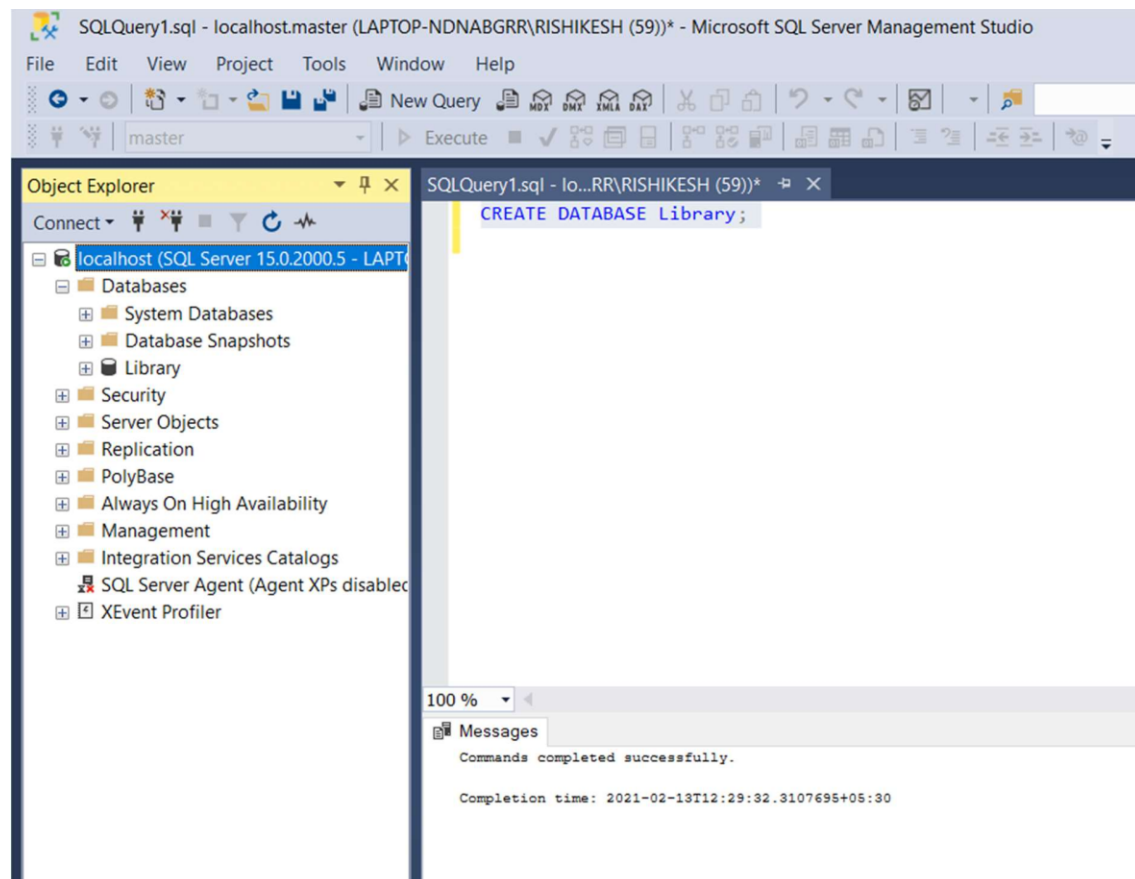


DBMS LAB ASSIGNMENT-2

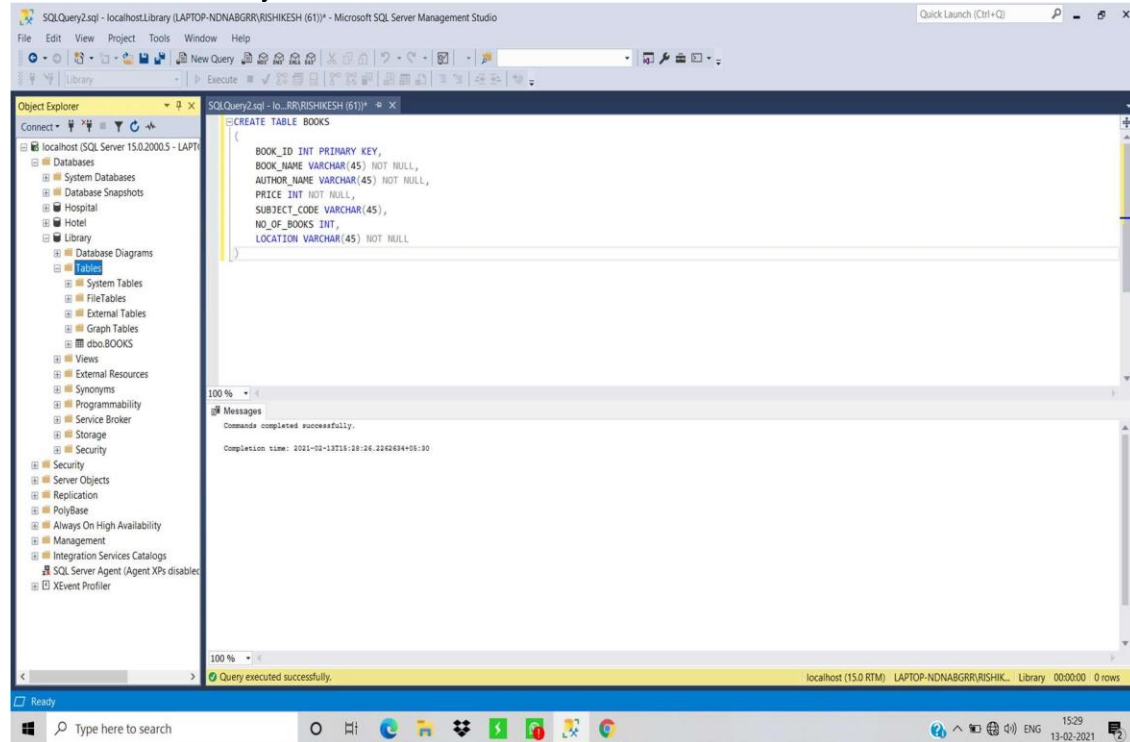
NAME : N BHARATH

ROLL : 19BCS076

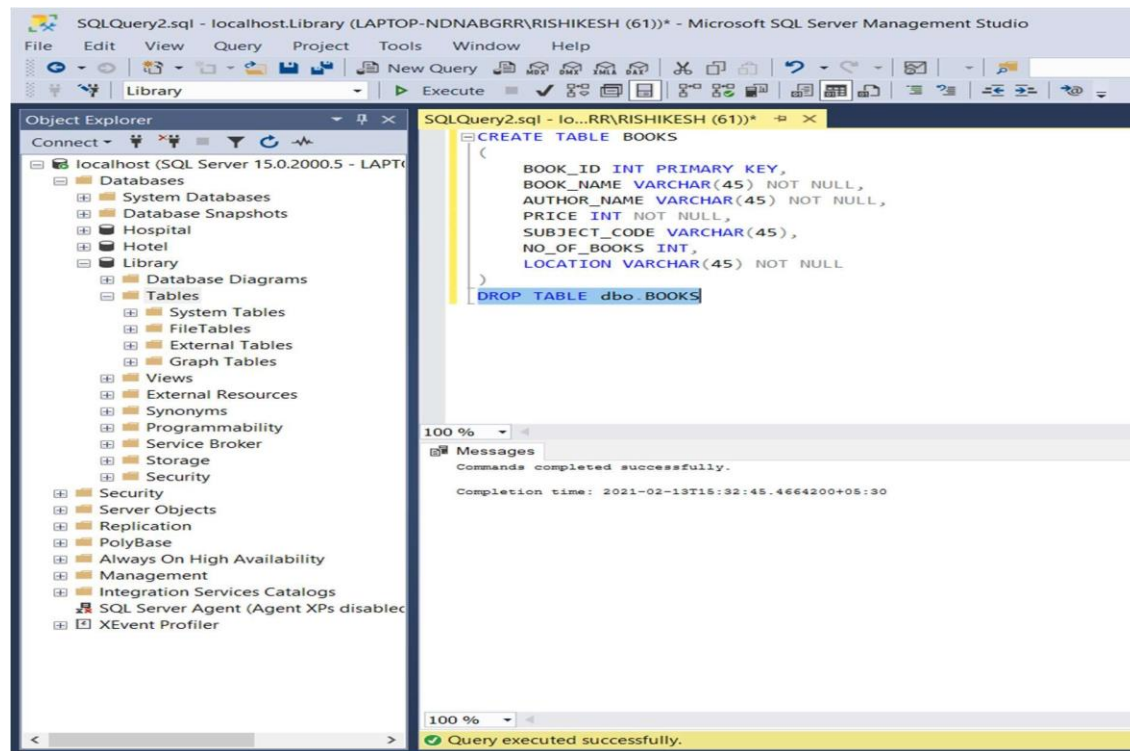
1. Show how to Create and Drop database.



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 'Tables' folder is expanded, showing the 'BOOKS' table. The main query window contains the command `sp_help BOOKS;`. The Results pane displays the schema information 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	(n/a)	(n/a)	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.

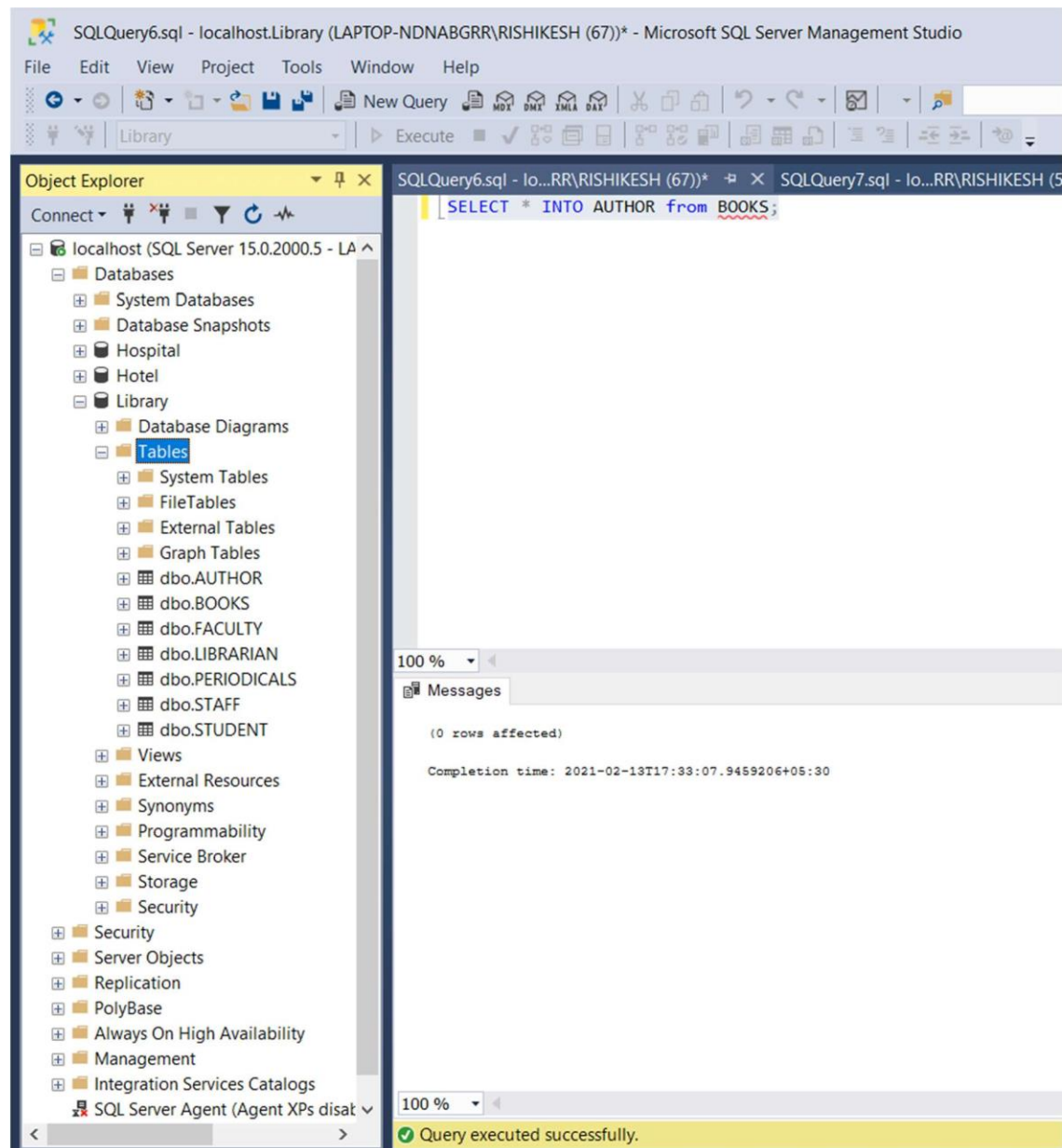
6. Show all the tables from the database (This is not done in class.)

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 'Tables' folder is expanded, showing the 'BOOKS' table. The main query window contains the command `SELECT * FROM SYSOBJECTS WHERE xtype='U'`. The Results pane displays the list of tables in the database.

name	id	type	uid	info	status	base_schema_ver	repinfo	parent_obj	ordate	fileid	schema_ver	stats_schema_ver	type	userstat	sysstat	indexdef	refstat	version	delimg	instrg	used
BOOKS	403877939	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	725877623	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	757877737	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	809877908	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	837878022	U	1	0	0	0	0	0	2021-02-13 17:06:08.917	0	0	0	U	1	3	0	2021-02-13 17:06:08.917	0	0	0	0
LIBRARIAN	860578136	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. The title bar indicates the active query is 'SQLQuery6.sql - localhost.Library (LAPTOP-NDNABGRR\RISHIKESH (67))'.

The **Object Explorer** on the left shows the server hierarchy for 'localhost (SQL Server 15.0.2000.5 - LA)'. Under the 'Library' database, the 'Tables' folder is expanded, listing several tables including 'dbo.AUTHOR', 'dbo.BOOK_RECORD', 'dbo.BOOKS', 'dbo.FACULTY', 'dbo.LIBRARIAN', 'dbo.PERIODICALS', 'dbo.STAFF', and 'dbo.STUDENT'.

The main query editor window shows the following SQL script:

```
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())
)
```

The **Messages** pane at the bottom displays the execution results:

```
Commands completed successfully.

Completion time: 2021-02-13T17:42:55.5573498+05:30
```

A status bar at the very bottom confirms: 'Query executed successfully.'