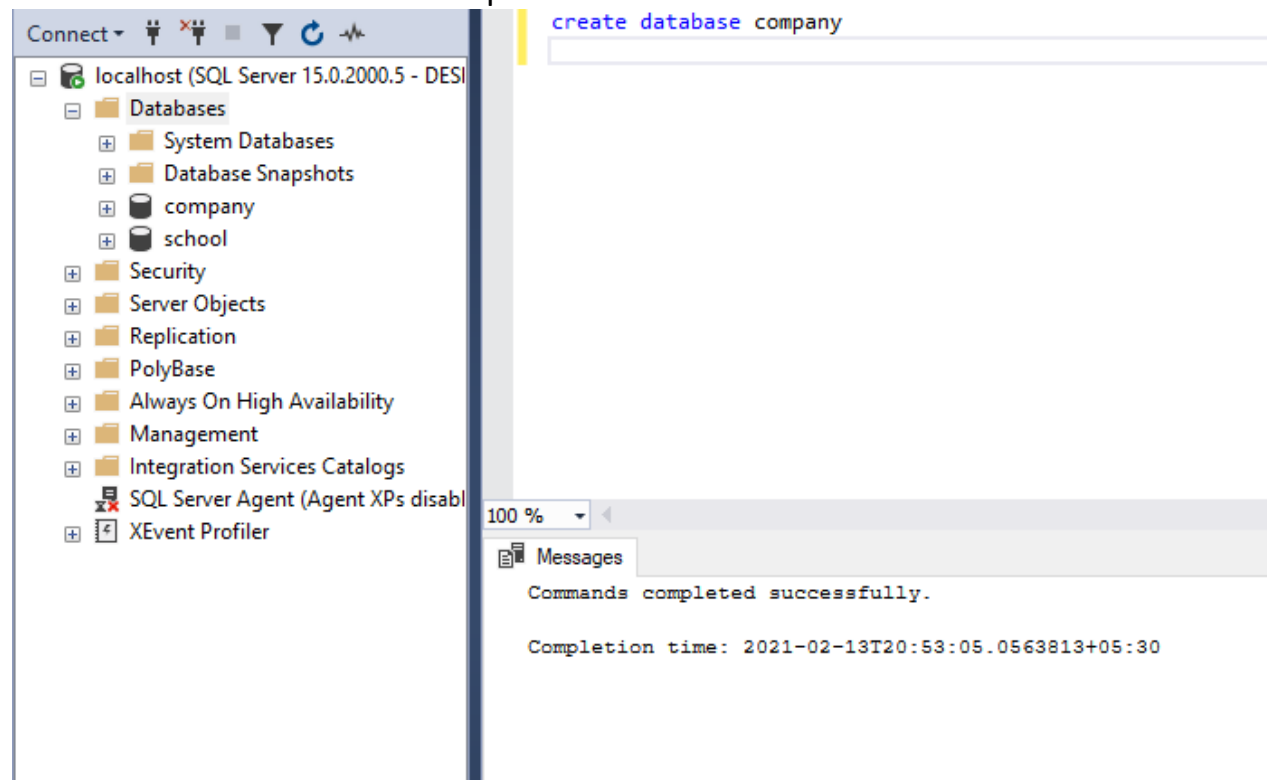
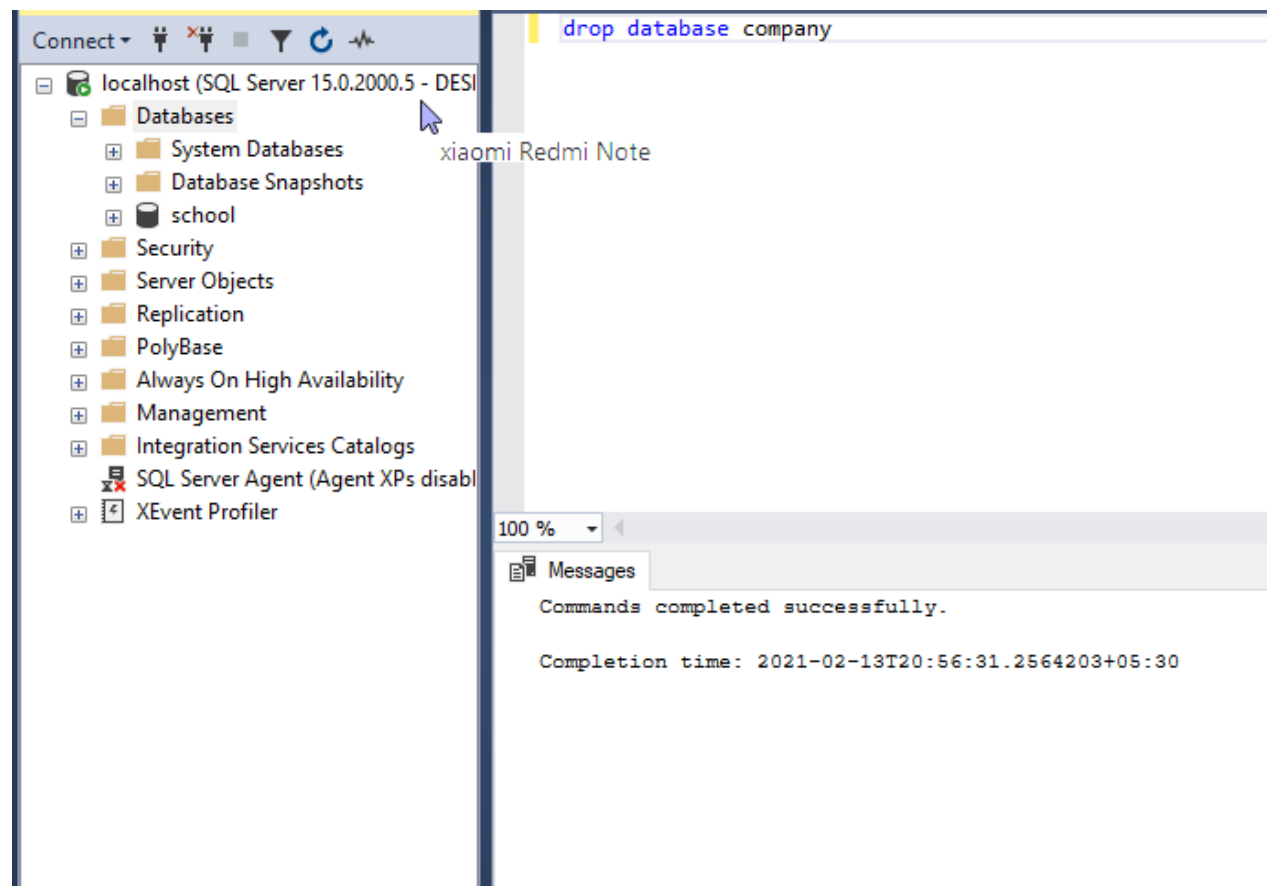


NAME : B. NEELAKANTEESWAR

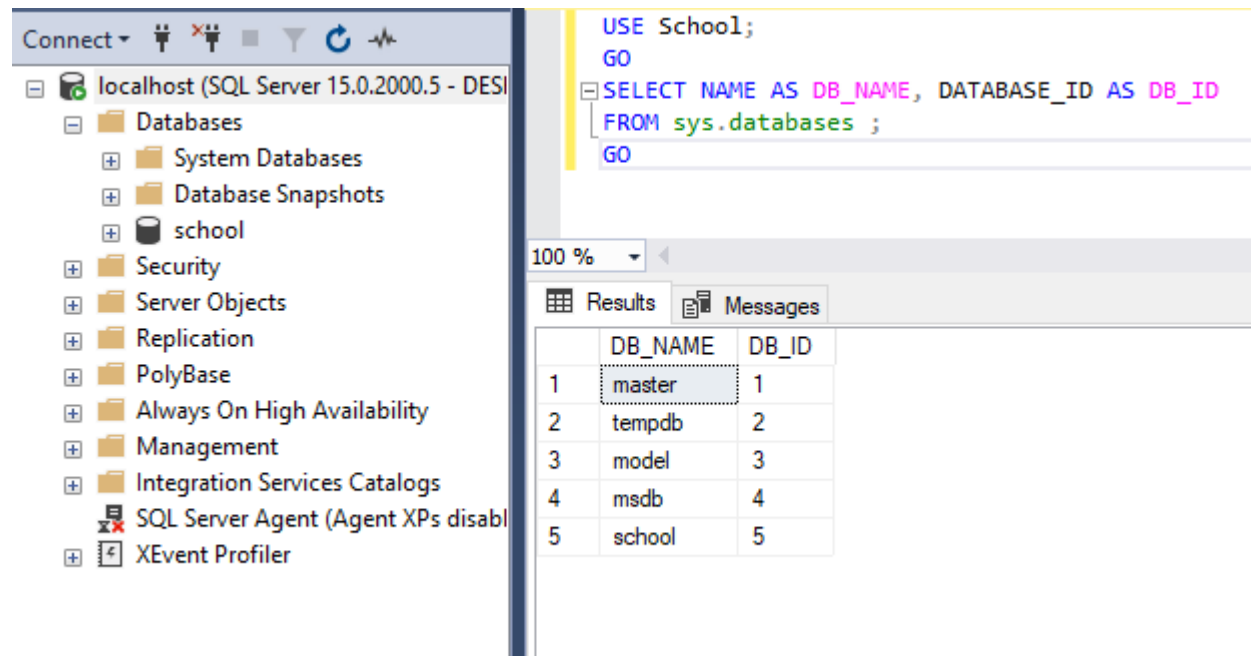
REG NO: 19BCS020

1. Show how to Create and Drop Database.





2. Show all the Databases are in the system.



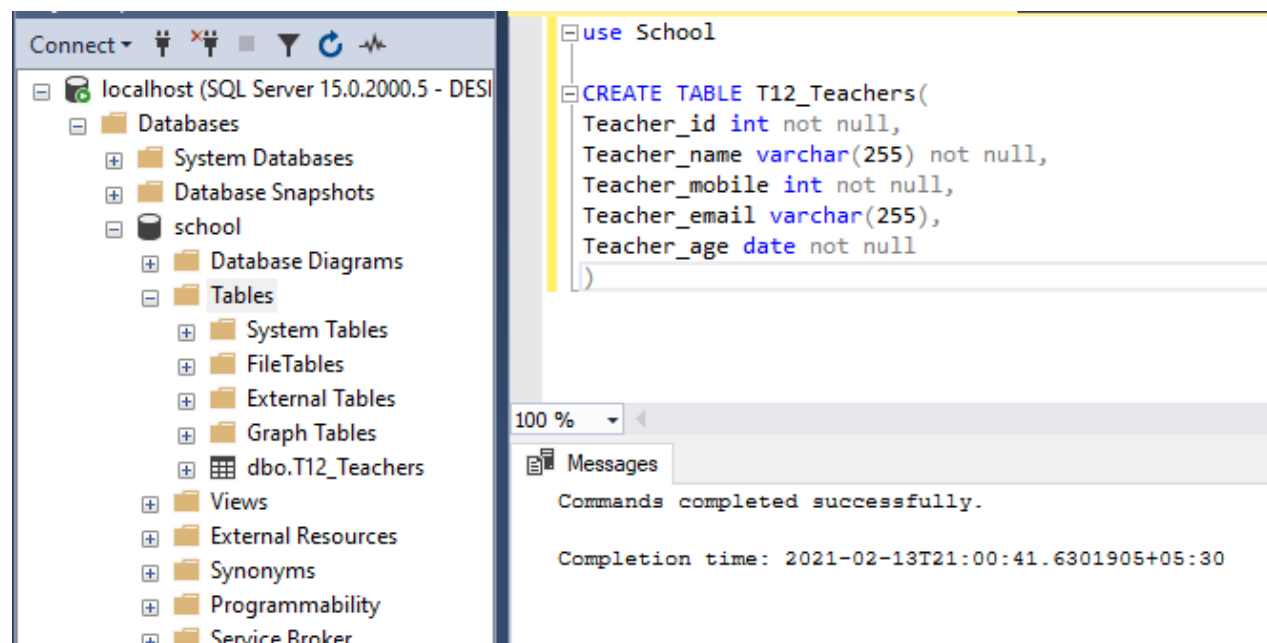
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded under 'localhost (SQL Server 15.0.2000.5 - DESI...'. The right pane shows a query window with the following SQL code:

```
USE School;
GO
SELECT NAME AS DB_NAME, DATABASE_ID AS DB_ID
FROM sys.databases ;
GO
```

Below the query window, the 'Results' tab is active, displaying a table with the following data:

	DB_NAME	DB_ID
1	master	1
2	tempdb	2
3	model	3
4	msdb	4
5	school	5

3. Create Table for your Database.



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded under the 'school' database. The right pane shows a query window with the following SQL code:

```
use School
CREATE TABLE T12_Teachers(
Teacher_id int not null,
Teacher_name varchar(255) not null,
Teacher_mobile int not null,
Teacher_email varchar(255),
Teacher_age date not null
)
```

Below the query window, the 'Messages' tab is active, displaying the following message:

Commands completed successfully.

Completion time: 2021-02-13T21:00:41.6301905+05:30

#### 4. Drop table.

The screenshot shows the SQL Server Enterprise Manager interface on the left, with the 'Tables' folder expanded under the 'school' database. On the right, the Query Editor shows the following SQL command:

```
use School;  
drop table T12_Teachers;
```

The Messages pane at the bottom indicates that the commands were completed successfully.

Completion time: 2021-02-13T21:04:59.6416915+05:30

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

The screenshot shows the SQL Server Enterprise Manager interface on the left, with the 'Tables' folder expanded under the 'school' database. On the right, the Query Editor shows the following SQL command:

```
USE School;  
SELECT *  
FROM INFORMATION_SCHEMA.TABLES
```

The Results pane at the bottom displays the following table:

	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	TABLE_TYPE
1	school	dbo	T12_Teachers	BASE TABLE
2	school	dbo	T12_Students	BASE TABLE
3	school	dbo	T12_School	BASE TABLE
4	school	dbo	T12_Departments	BASE TABLE
5	school	dbo	T12_Courses	BASE TABLE
6	school	dbo	T12_Classes	BASE TABLE

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

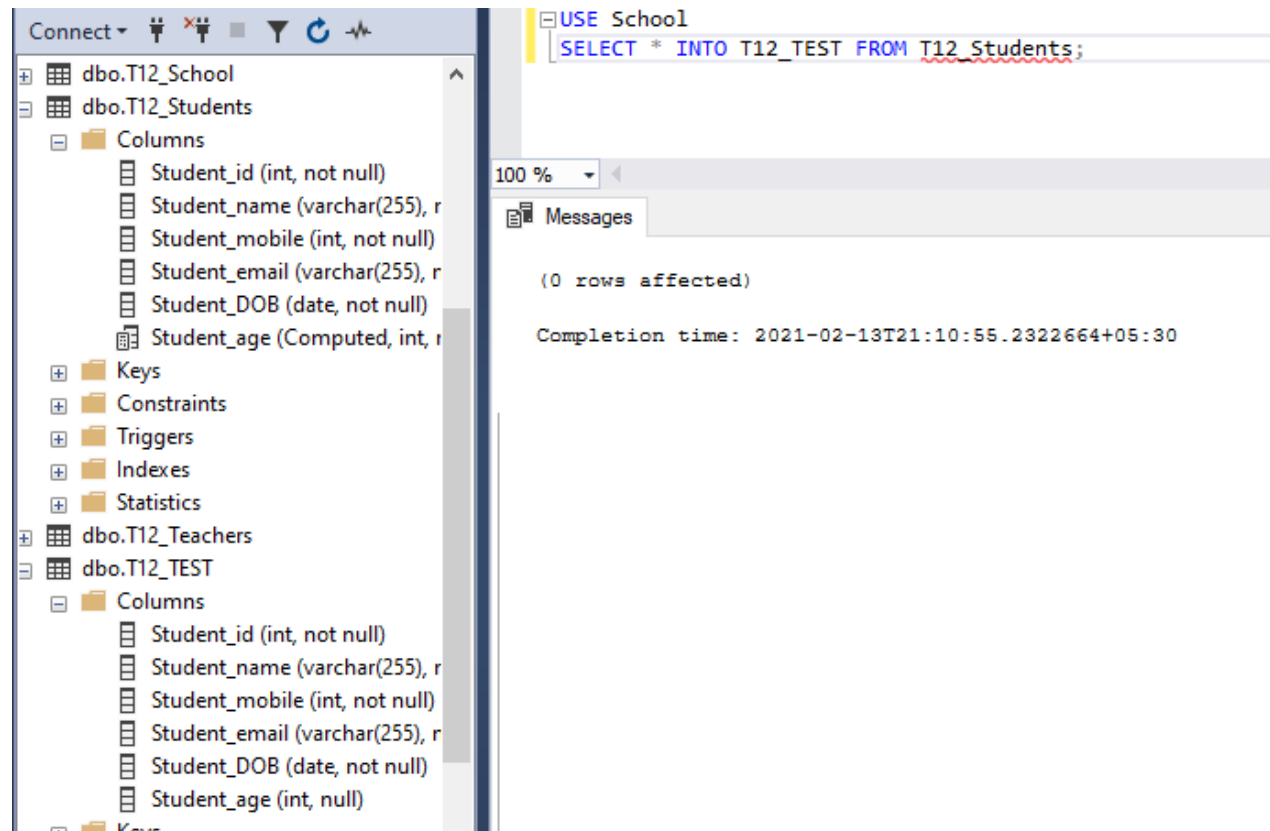
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'school' database. Under 'school', the 'Tables' folder is expanded, listing several tables: 'System Tables', 'FileTables', 'External Tables', 'Graph Tables', 'dbo.T12\_Classes', 'dbo.T12\_Courses', 'dbo.T12\_Department', 'dbo.T12\_School', 'dbo.T12\_Students', and 'dbo.T12\_Teachers'. On the right, the SQL query editor shows the following query:

```
USE School;  
SELECT *  
FROM INFORMATION_SCHEMA.TABLES
```

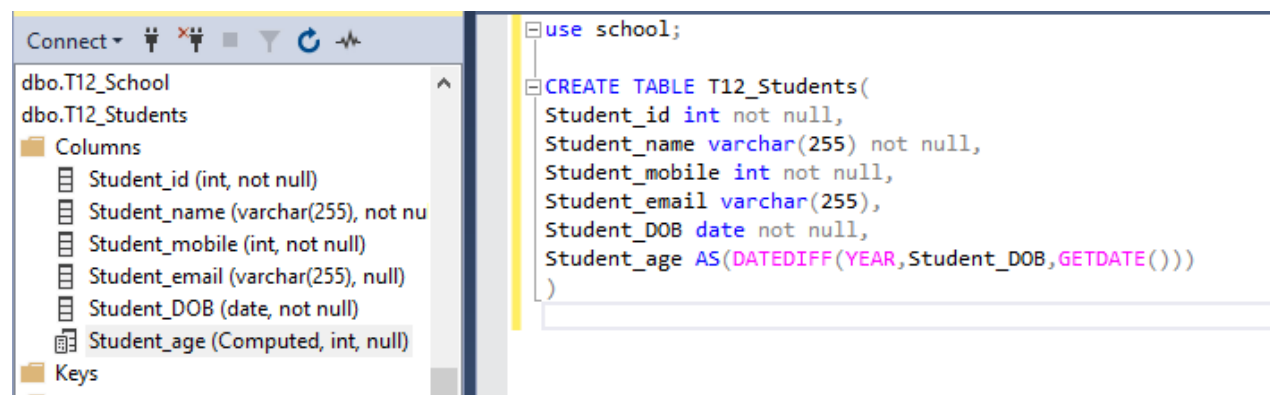
Below the query editor, the 'Results' tab is active, displaying a table with 6 rows and 5 columns. The columns are 'TABLE\_CATALOG', 'TABLE\_SCHEMA', 'TABLE\_NAME', and 'TABLE\_TYPE'. The rows list the tables in the 'school' database.

	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	TABLE_TYPE
1	school	dbo	T12_Teachers	BASE TABLE
2	school	dbo	T12_Students	BASE TABLE
3	school	dbo	T12_School	BASE TABLE
4	school	dbo	T12_Departments	BASE TABLE
5	school	dbo	T12_Courses	BASE TABLE
6	school	dbo	T12_Classes	BASE TABLE

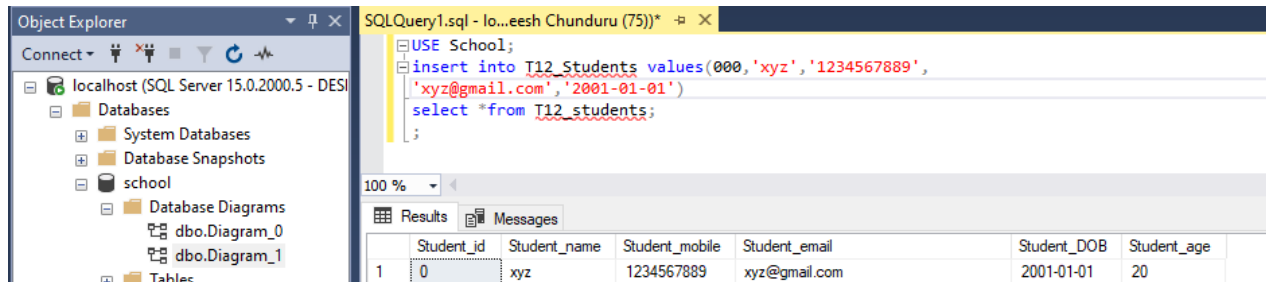
7. Create Table using Select Statement (I haven't showed you this. I want you to try, it is very simple you should not have any problem).



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).



Query to Insert values in the table.



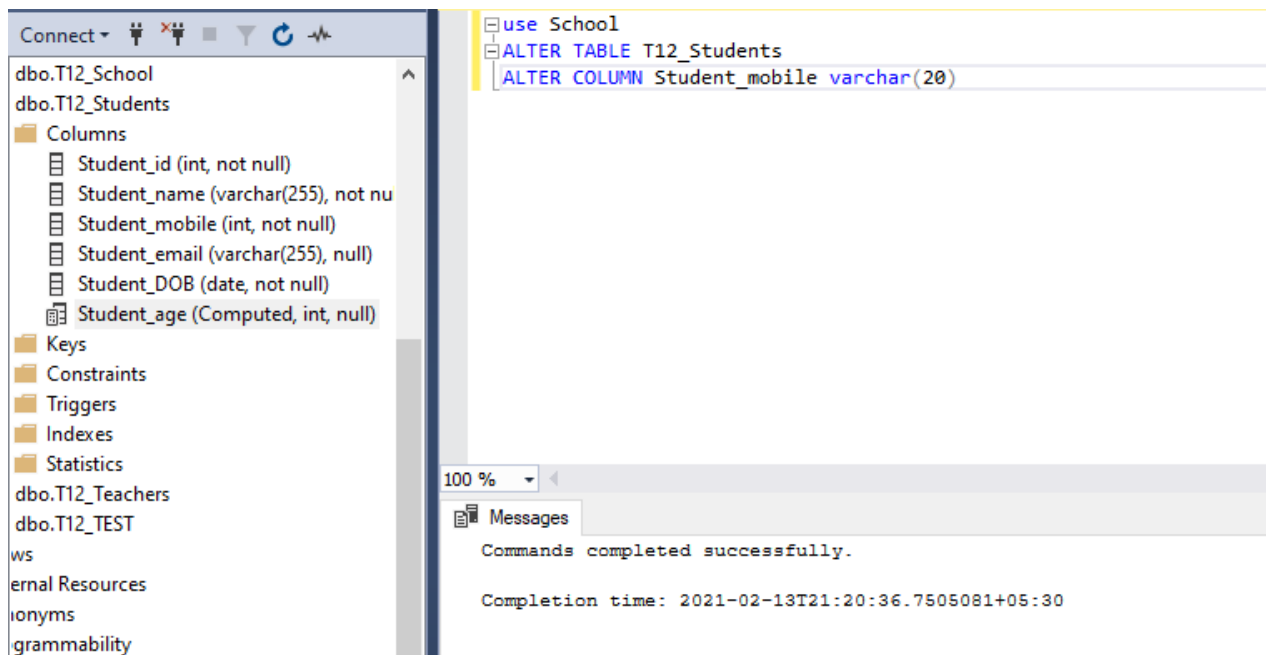
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure for 'localhost (SQL Server 15.0.2000.5 - DESI)'. The 'school' database is expanded, showing 'Database Diagrams' and 'Tables'. The 'Tables' folder is expanded, showing 'dbo.Diagram\_0' and 'dbo.Diagram\_1'. The main window displays a SQL query in the 'SQLQuery1.sql' file:

```
USE School;
insert into T12_Students values(000,'xyz','1234567889',
'xyz@gmail.com','2001-01-01')
select *from T12_students;
```

The query results are displayed in the 'Results' pane, showing a single row of data:

Student_id	Student_name	Student_mobile	Student_email	Student_DOB	Student_age	
1	0	xyz	1234567889	xyz@gmail.com	2001-01-01	20

Query to change data type of a attribute.



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure for 'localhost (SQL Server 15.0.2000.5 - DESI)'. The 'school' database is expanded, showing 'Database Diagrams' and 'Tables'. The 'Tables' folder is expanded, showing 'dbo.Diagram\_0' and 'dbo.Diagram\_1'. The main window displays a SQL query in the 'SQLQuery1.sql' file:

```
use School
ALTER TABLE T12_Students
ALTER COLUMN Student_mobile varchar(20)
```

The query results are displayed in the 'Messages' pane, showing the following message:

Commands completed successfully.

Completion time: 2021-02-13T21:20:36.7505081+05:30