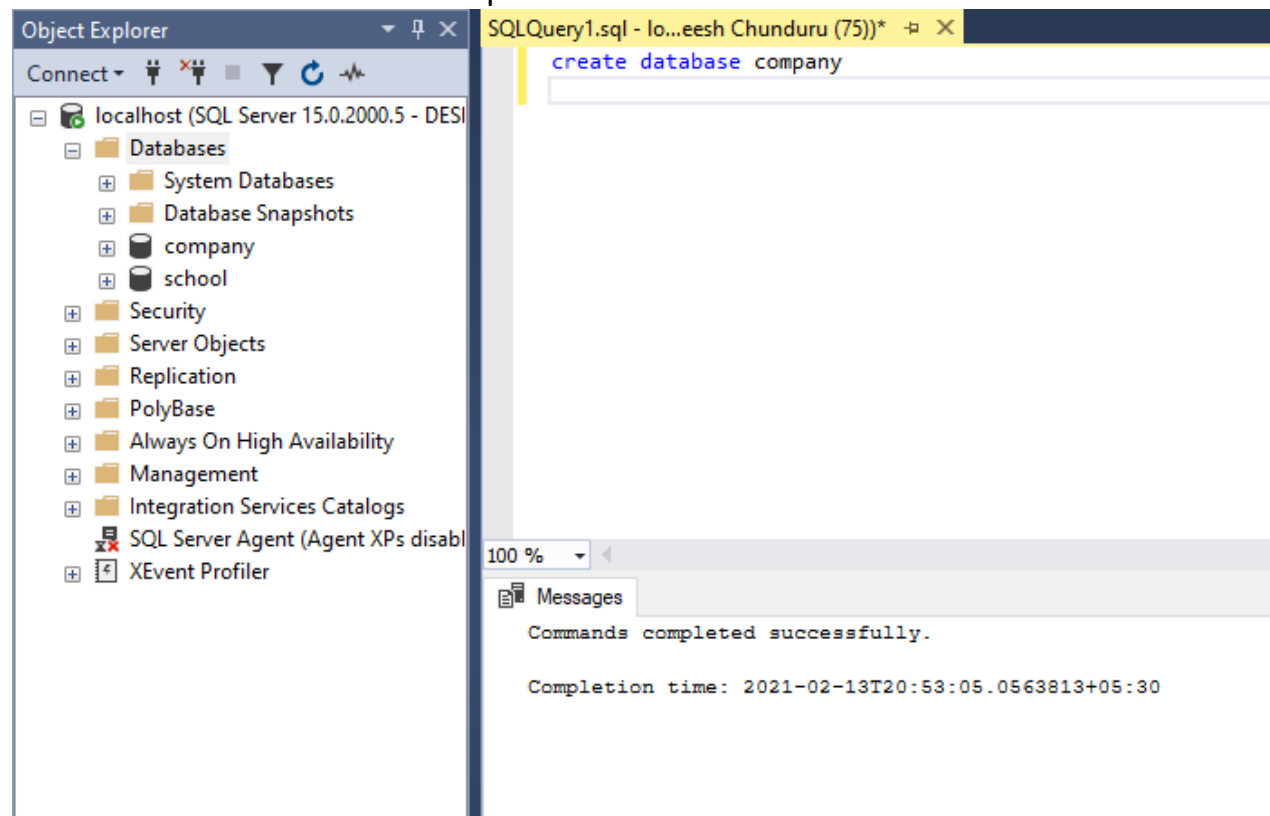
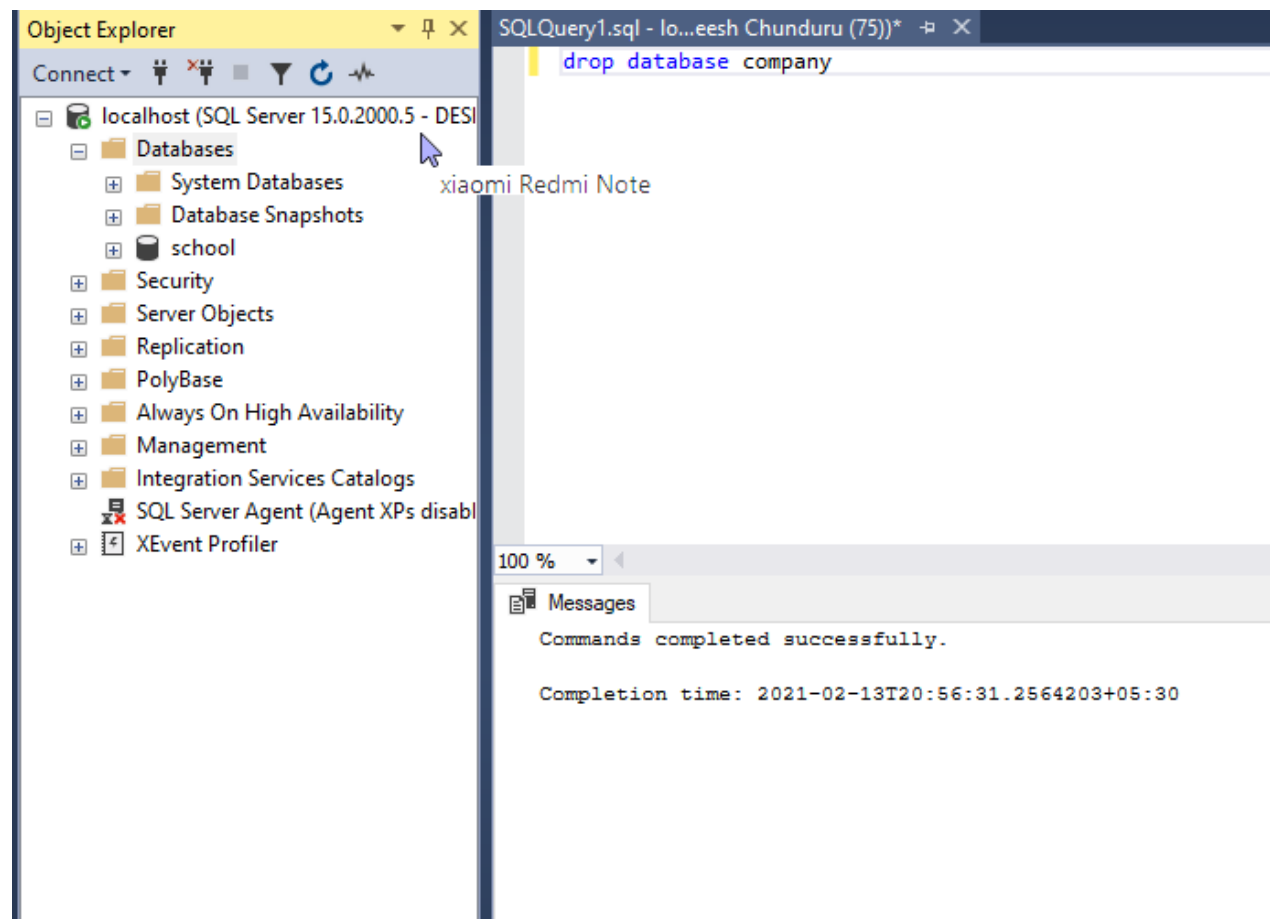


NAME : CH AASEESH SUMANTH

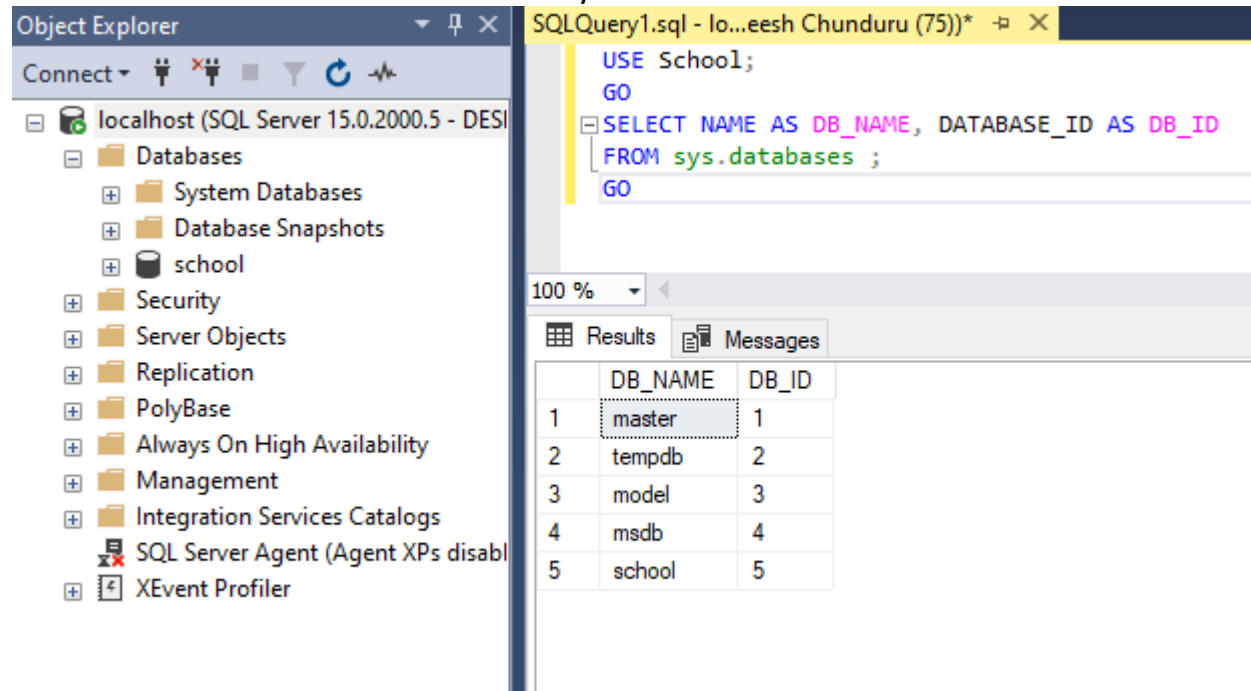
REG NO: 19BCS033

1. Show how to Create and Drop Database.





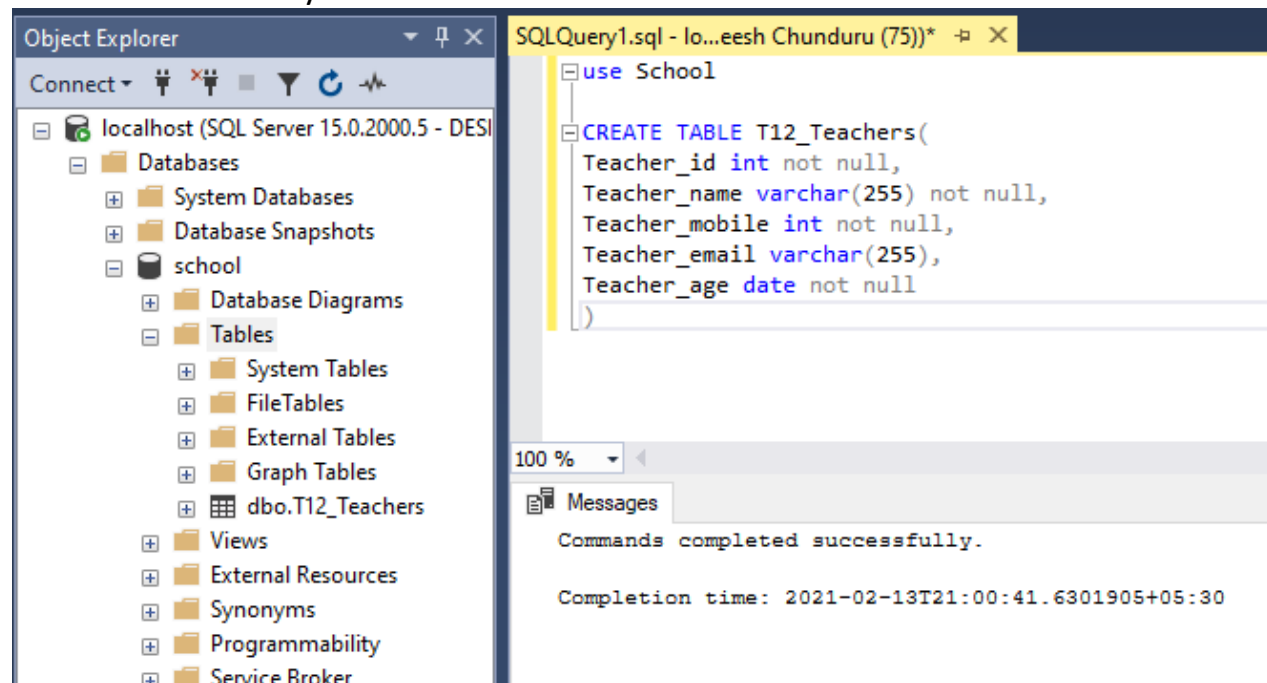
2. Show all the Databases are in the system.



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

	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.

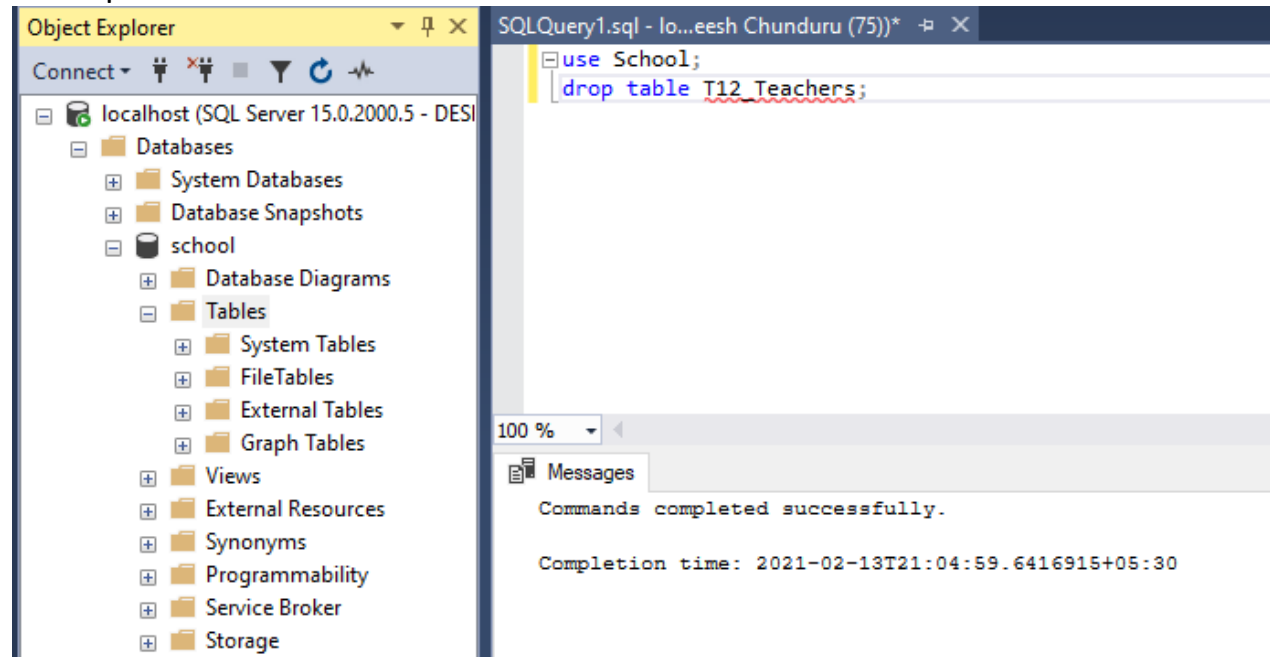


```
use School
CREATE TABLE T12_Teachers(
Teacher_id int not null,
Teacher_name varchar(255) not null,
Teacher_mobile int not null,
Teacher_email varchar(255),
Teacher_age date not null
)
```

Commands completed successfully.

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

4. Drop table.



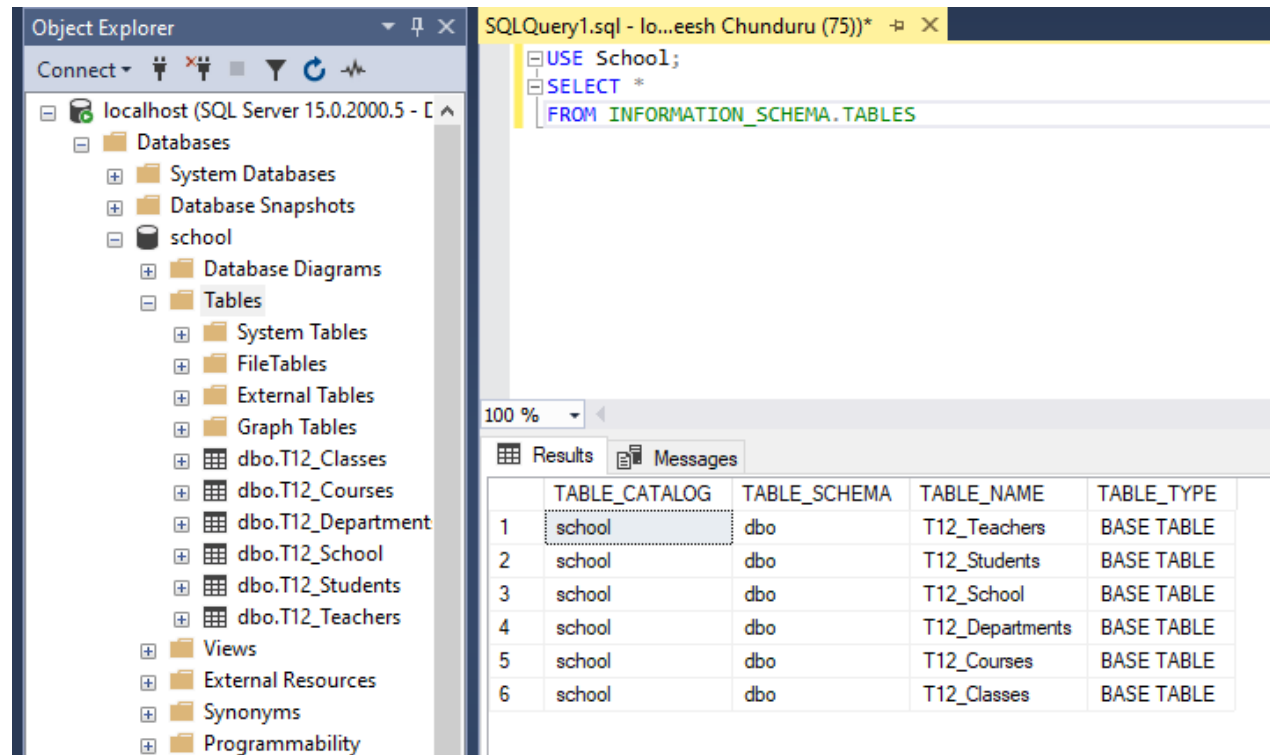
The screenshot shows the SQL Server Enterprise Manager interface on the left, with the 'Tables' folder expanded under the 'school' database. On the right, the SQL Query window displays the following commands:

```
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 SQL Query window displays the following commands:

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

The Results pane at the bottom shows the output of the query, listing 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

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

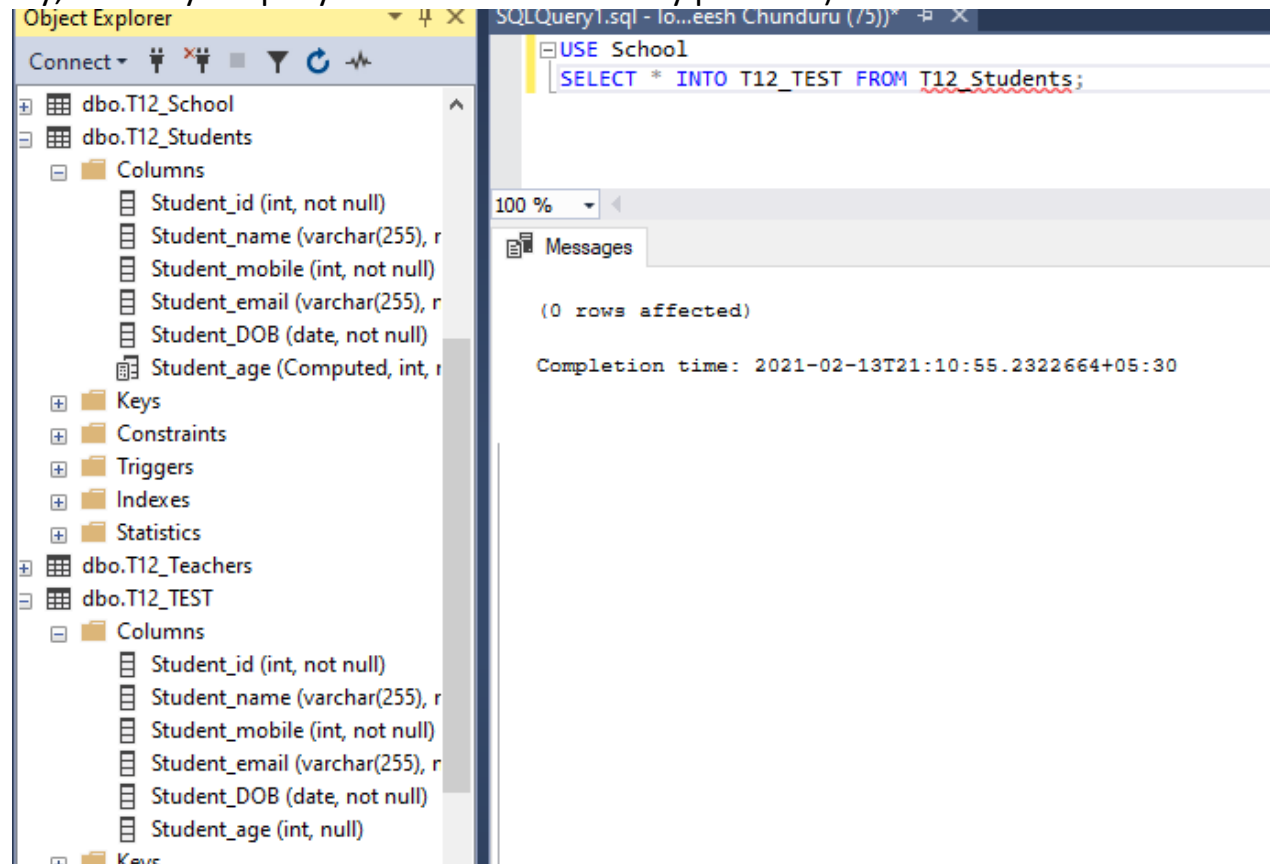
The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Object Explorer' pane shows the 'school' database expanded, revealing a list of tables: T12_Classes, T12_Courses, T12_Department, T12_School, T12_Students, and T12_Teachers. The 'Tables' folder is selected. On the right, the 'SQLQuery1.sql' window shows the following query:

```
USE School1;
SELECT *
FROM INFORMATION_SCHEMA.TABLES
```

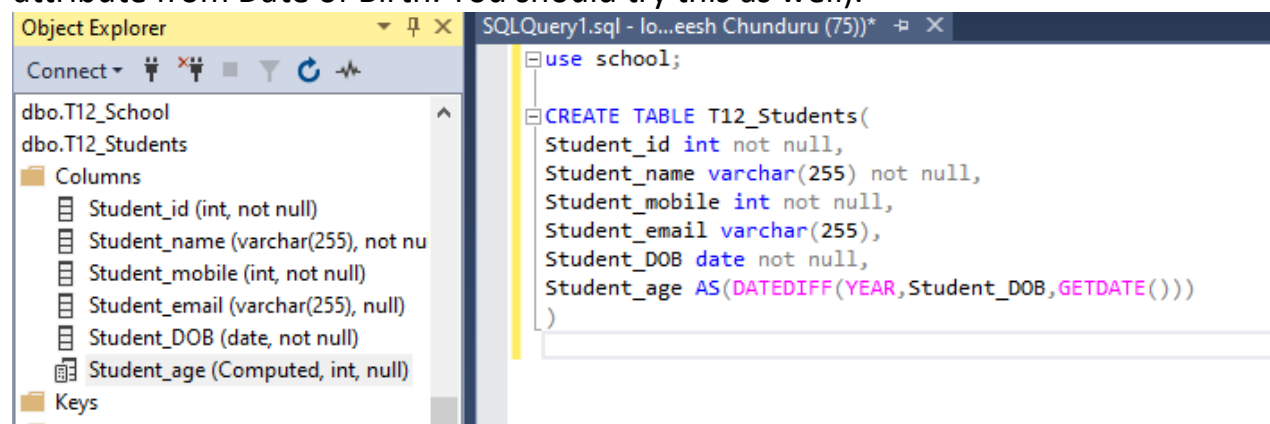
Below the query window, the 'Results' pane shows the output of the query. The results are displayed in a table with the following columns: TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME, and TABLE_TYPE. The results show six rows of data, all from the 'school' database and 'dbo' schema, representing the tables T12_Teachers, T12_Students, T12_School, T12_Departments, T12_Courses, and T12_Classes.

	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 'School' (dbo.T12_School, dbo.T12_Students, etc.). The main pane shows a SQL query in the 'SQLQuery1.sql' window:

```
USE School;
insert into T12_Students values(033, 'aaseesh', '9014547673',
'aaseesh.sumanth.chunduru@gmail.com', '2002-08-15')
select *from T12_students;
```

Below the query, the 'Results' tab shows the output of the query:

Student_id	Student_name	Student_mobile	Student_email	Student_DOB	Student_age	
1	33	aaseesh	9014547673	aaseesh.sumanth.chunduru@gmail.com	2002-08-15	19

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 'School' (dbo.T12_School, dbo.T12_Students, etc.). The main pane shows a SQL query in the 'SQLQuery3.sql' window:

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

Below the query, the 'Messages' tab shows the output of the query:

Commands completed successfully.

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