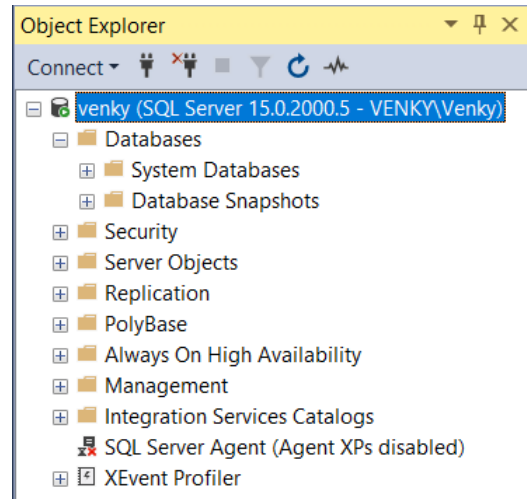


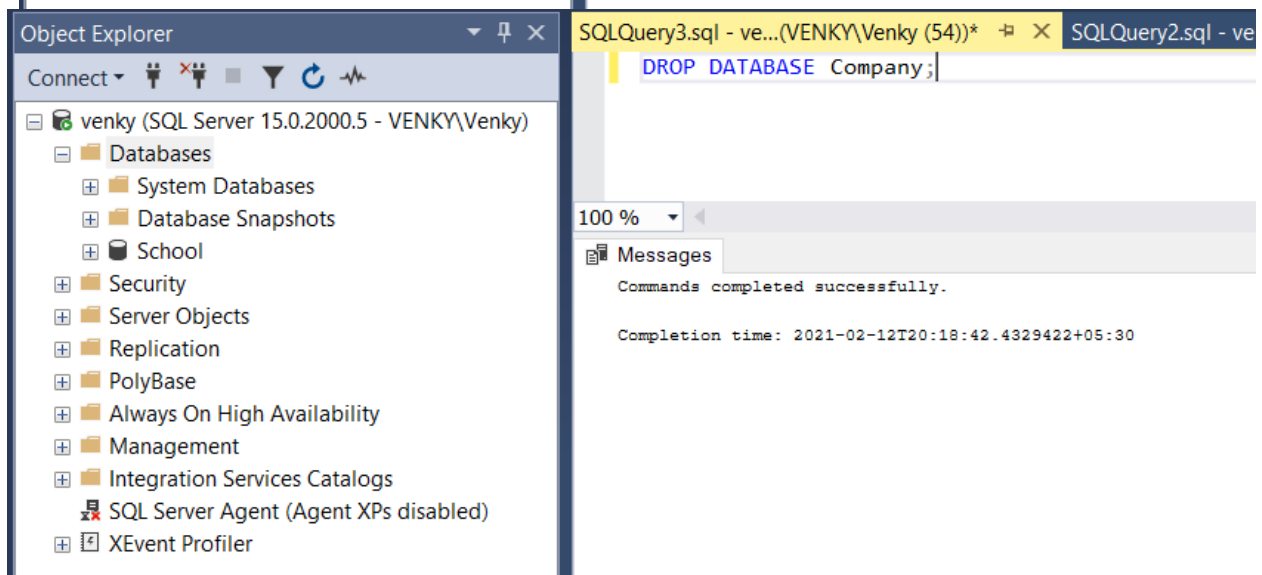
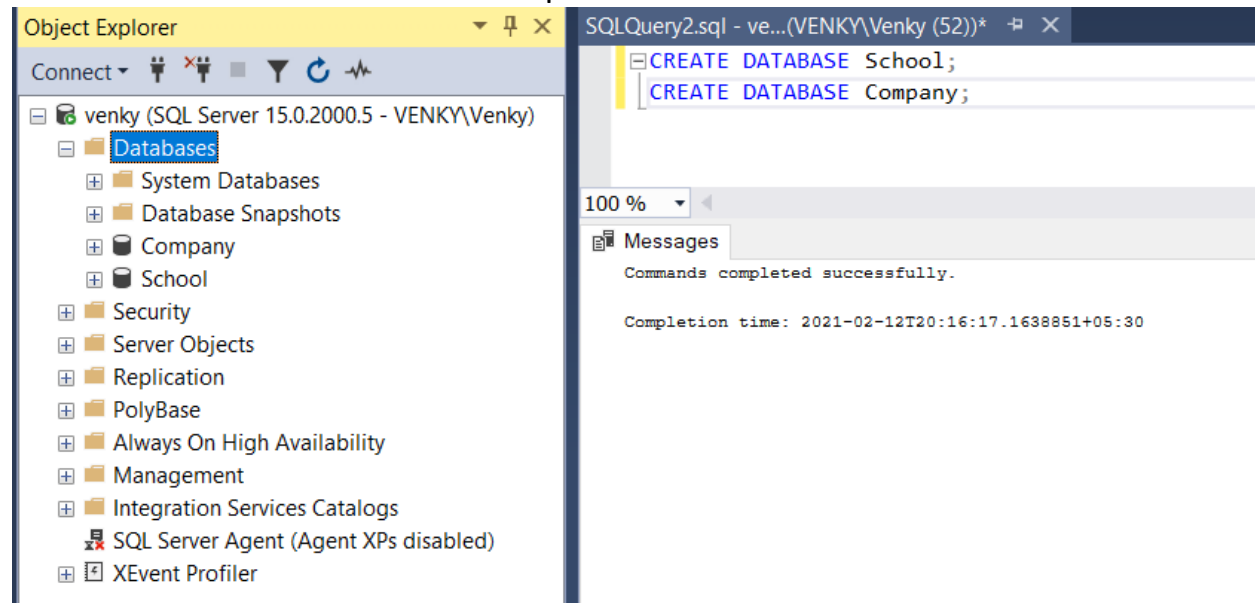
S Venkata Ramana

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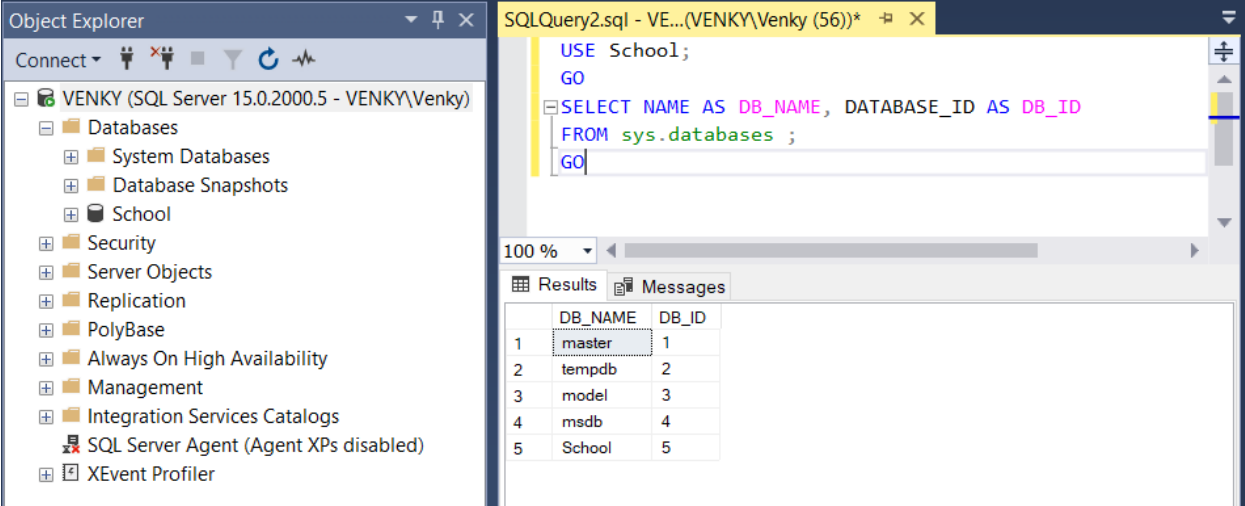
SQL assignment2.



1. Show how to Create and Drop Database.



2. Show all the Databases are in the system.



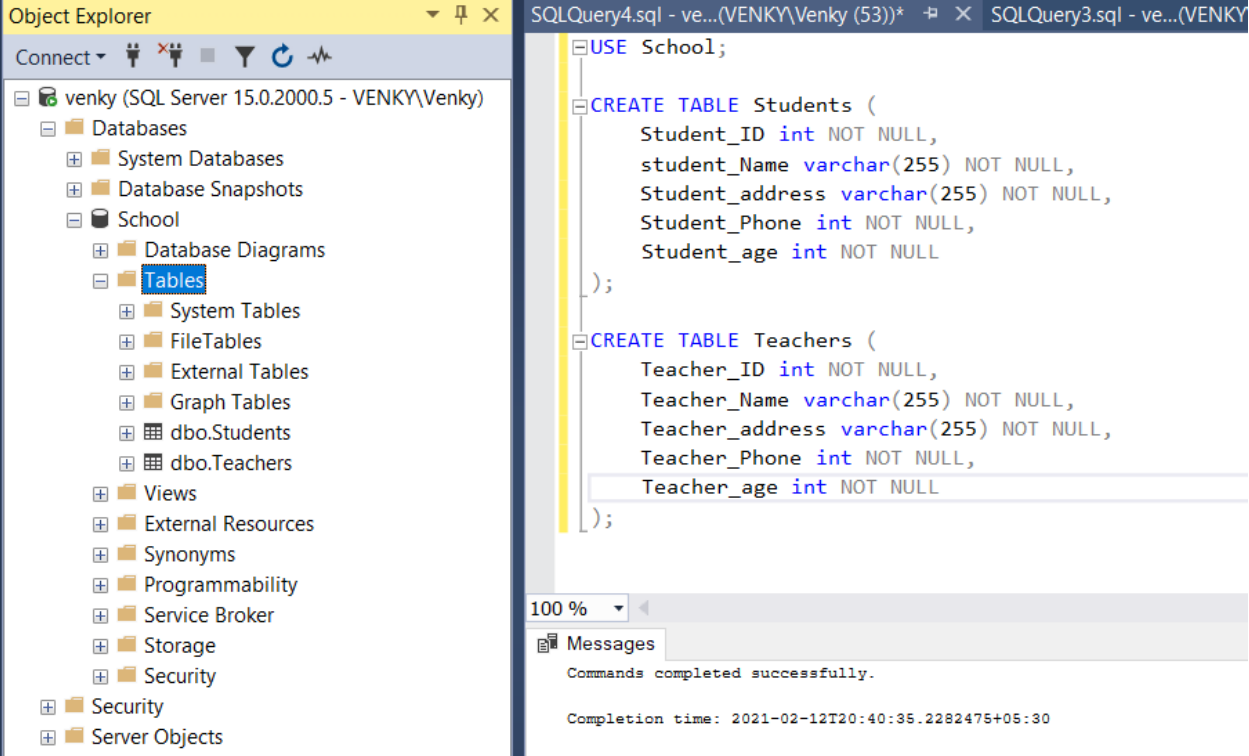
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the 'VENKY (SQL Server 15.0.2000.5 - VENKY\Venky)' server. The 'Databases' folder is expanded, showing 'System Databases', 'Database Snapshots', 'School', 'Security', 'Server Objects', 'Replication', 'PolyBase', 'Always On High Availability', 'Management', 'Integration Services Catalogs', 'SQL Server Agent (Agent XPs disabled)', and 'XEvent Profiler'. On the right, the 'SQLQuery2.sql' window shows the following SQL code:

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

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 Object Explorer displays the 'venky (SQL Server 15.0.2000.5 - VENKY\Venky)' server. The 'Tables' folder is expanded, showing 'System Tables', 'FileTables', 'External Tables', 'Graph Tables', 'dbo.Students', 'dbo.Teachers', 'Views', 'External Resources', 'Synonyms', 'Programmability', 'Service Broker', 'Storage', 'Security', 'Security', and 'Server Objects'. On the right, the 'SQLQuery4.sql' window shows the following SQL code:

```
USE School;

CREATE TABLE Students (
    Student_ID int NOT NULL,
    student_Name varchar(255) NOT NULL,
    Student_address varchar(255) NOT NULL,
    Student_Phone int NOT NULL,
    Student_age int NOT NULL
);

CREATE TABLE Teachers (
    Teacher_ID int NOT NULL,
    Teacher_Name varchar(255) NOT NULL,
    Teacher_address varchar(255) NOT NULL,
    Teacher_Phone int NOT NULL,
    Teacher_age int NOT NULL
);
```

The 'Messages' tab is active, displaying the following message:

Commands completed successfully.

Completion time: 2021-02-12T20:40:35.2282475+05:30

4. Drop table.

Object Explorer

Connect

venky (SQL Server 15.0.2000.5 - VENKY\Venky)

- Databases
 - System Databases
 - Database Snapshots
 - School
 - Database Diagrams
 - Tables**
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.Students
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- Security
- Server Objects

SQLQuery5.sql - ve...(VENKY\Venky (51))*

```
use School;  
drop table Teachers;
```

100 %

Messages

Commands completed successfully.

Completion time: 2021-02-12T20:43:22.3787362+05:30

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

Object Explorer

Connect

VENKY (SQL Server 15.0.2000.5 - VENKY\Venky)

- Databases
 - System Databases
 - Database Snapshots
 - School
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery4.sql - VE...(VENKY\Venky (52))*

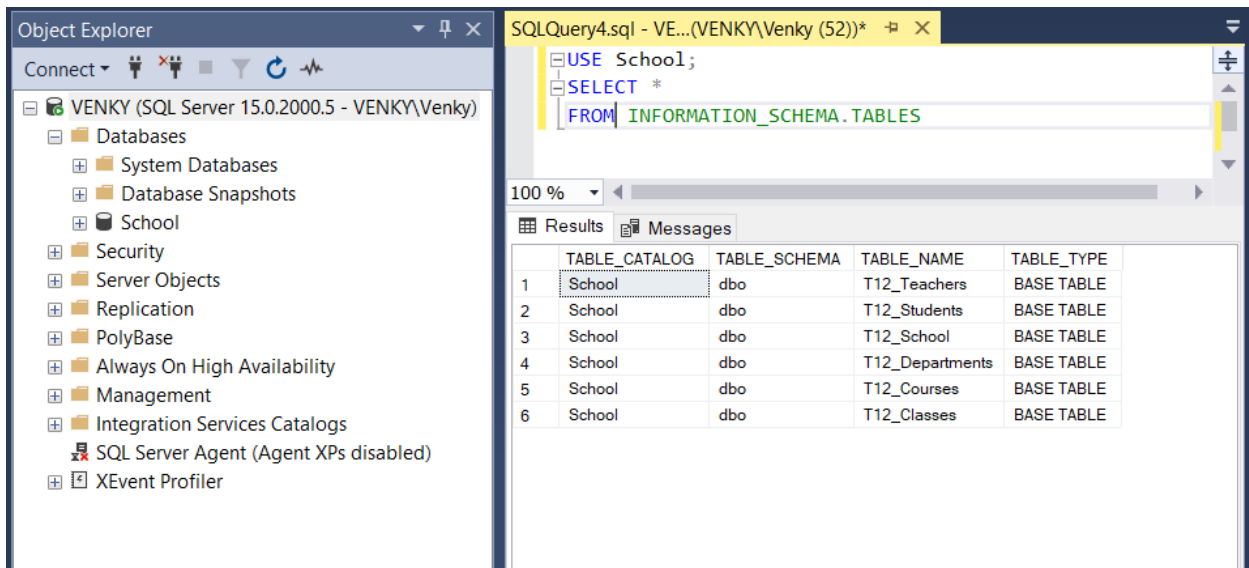
```
USE School;  
SELECT *  
FROM INFORMATION_SCHEMA.TABLES
```

100 %

Results

	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.)



Object Explorer

Connect

VENKY (SQL Server 15.0.2000.5 - VENKY\Venky)

- Databases
 - System Databases
 - Database Snapshots
 - School
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery4.sql - VE...(VENKY\Venky (52))*

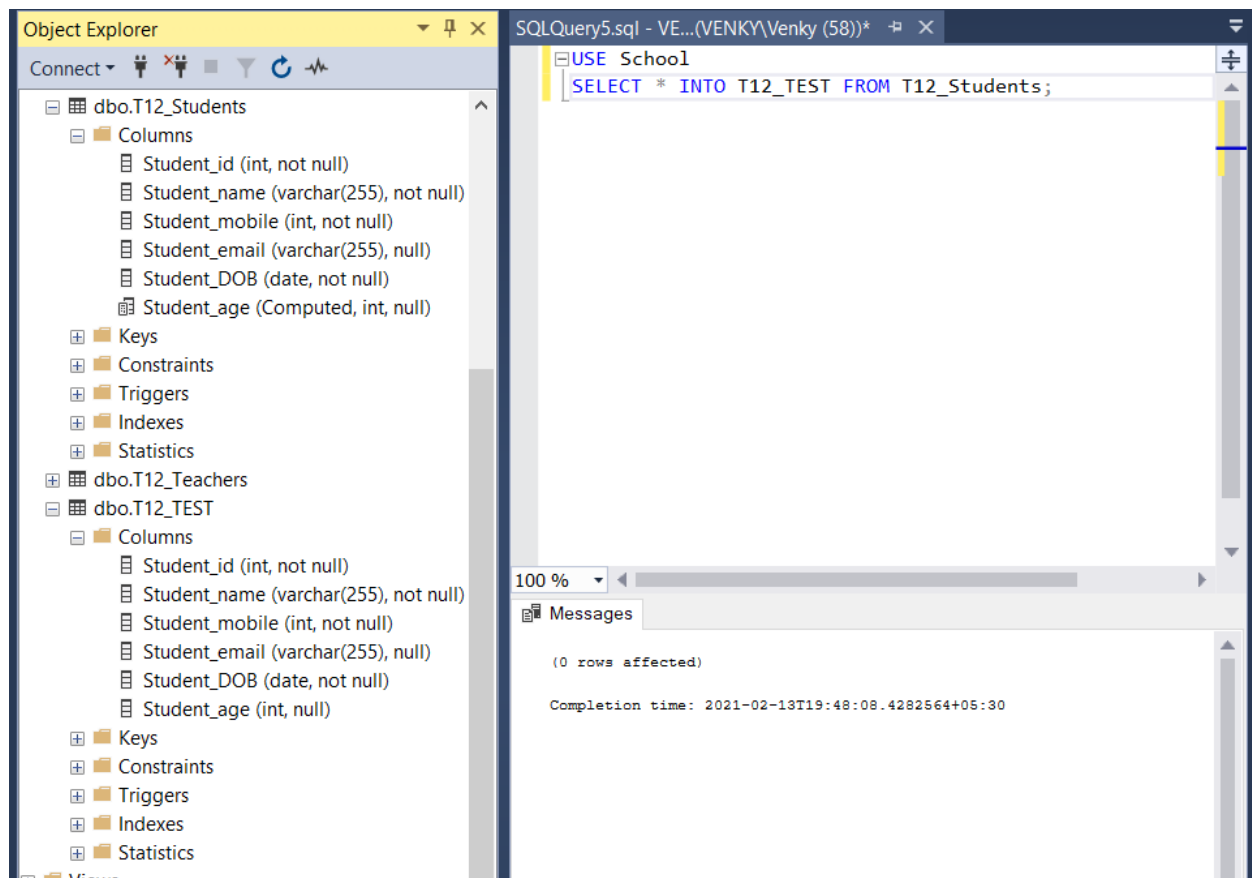
```
USE School;  
SELECT *  
FROM INFORMATION_SCHEMA.TABLES
```

100 %

Results

	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).



Object Explorer

Connect

VENKY (SQL Server 15.0.2000.5 - VENKY\Venky)

- Databases
 - System Databases
 - Database Snapshots
 - School
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery5.sql - VE...(VENKY\Venky (58))*

```
USE School  
SELECT * INTO T12_TEST FROM T12_Students;
```

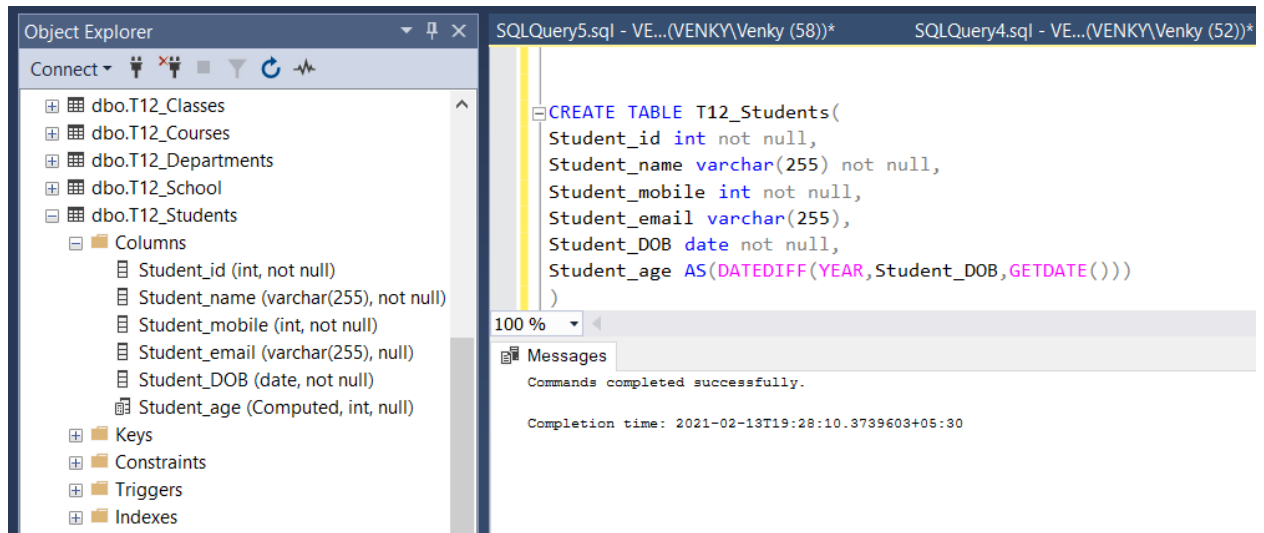
100 %

Messages

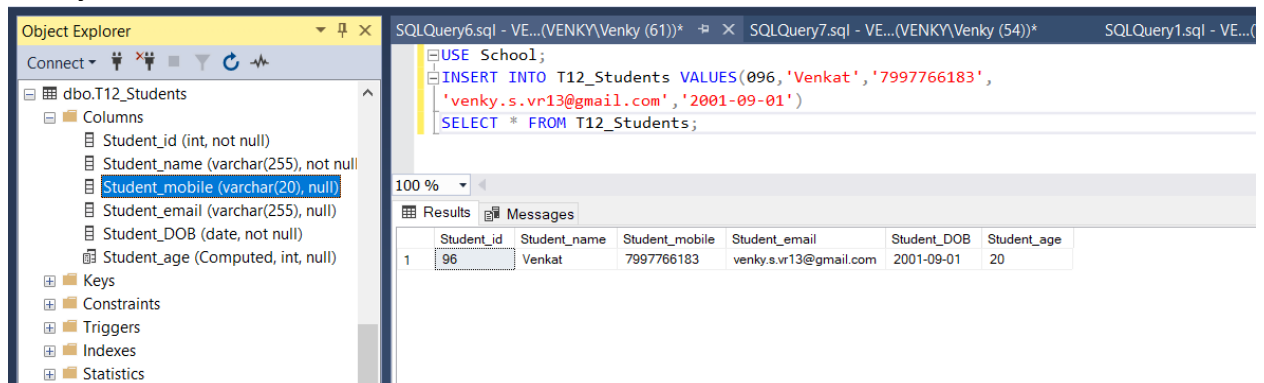
(0 rows affected)

Completion time: 2021-02-19T19:48:08.4282564+05:30

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.



Query to change data type of a column.

