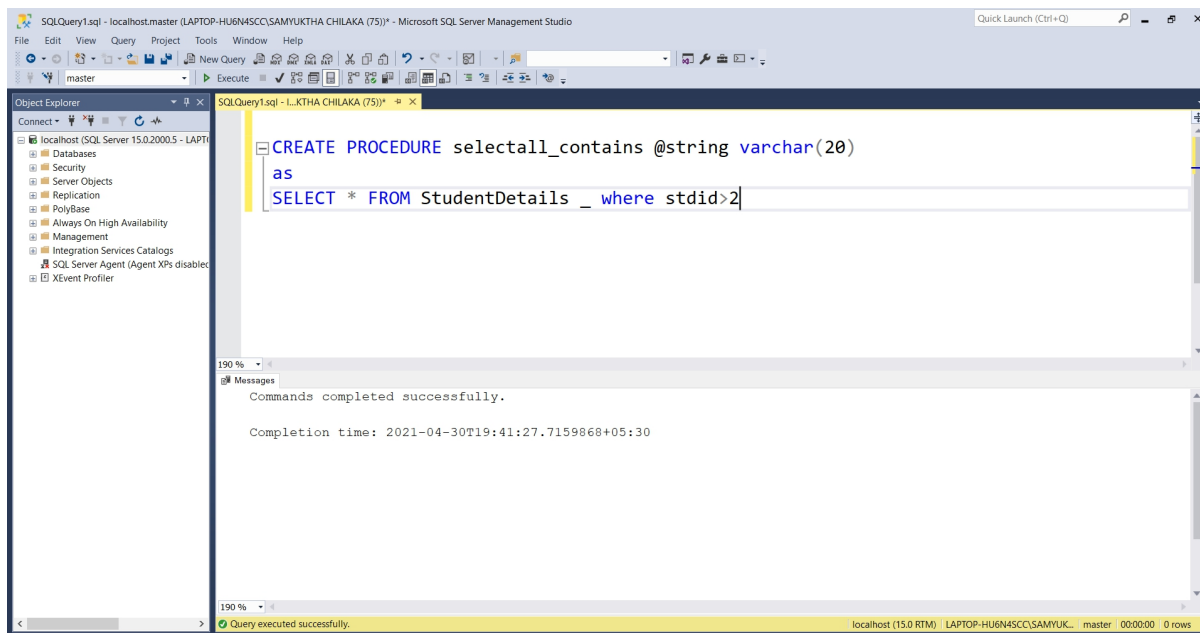


DATABASE MANAGEMENT SYSTEM LAB ASSIGNMENT

NAME: NIKHITA B KARADI

ROLL NO. : 19BCS077

1. Write two stored Procedures relevant to your database.



The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the server structure for 'localhost (SQL Server 15.0.2000.5 - LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (75))'. The main query window contains the following SQL code:

```
CREATE PROCEDURE selectall_contains @string varchar(20)
as
SELECT * FROM StudentDetails _ where stdid>2
```

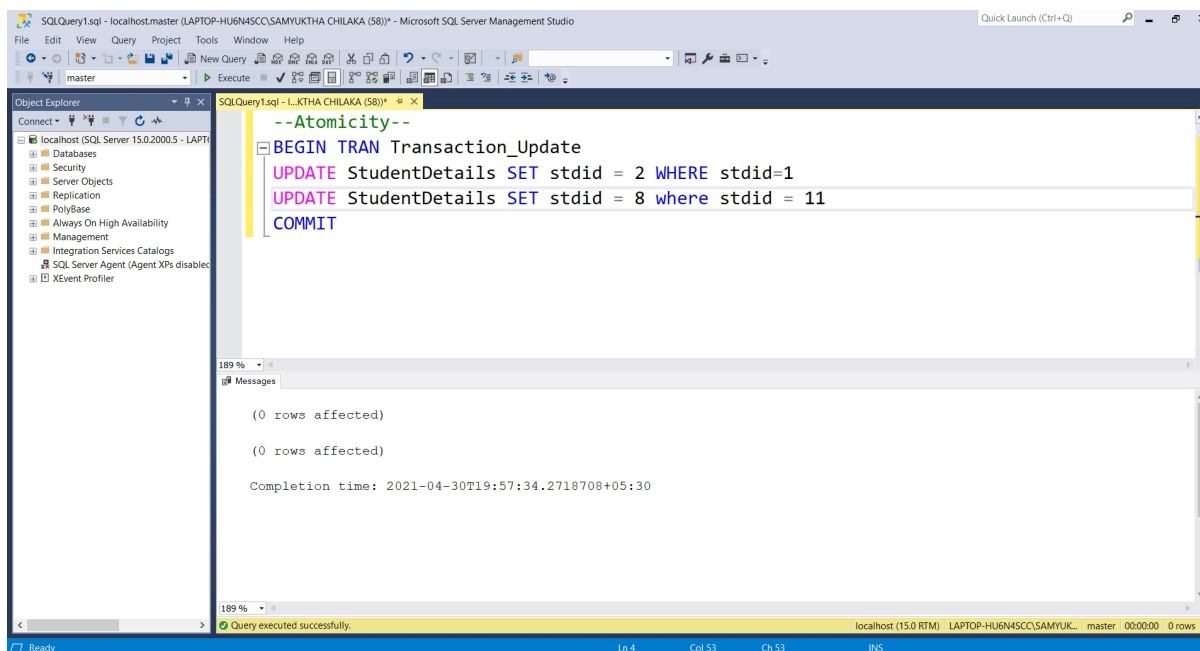
The Messages pane at the bottom shows the execution results:

```
Commands completed successfully.

Completion time: 2021-04-30T19:41:27.7159868+05:30
```

The status bar at the bottom indicates 'Query executed successfully.' and 'localhost (15.0 RTM) LAPTOP-HU6N4SCC\SAMYUK... master 00:00:00 0 rows'.

2. Write a transaction to illustrate atomicity (related to your database)



The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the server structure for 'localhost (SQL Server 15.0.2000.5 - LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (58))'. The main query window contains the following SQL code:

```
--Atomicity--
BEGIN TRAN Transaction_Update
UPDATE StudentDetails SET stdid = 2 WHERE stdid=1
UPDATE StudentDetails SET stdid = 8 where stdid = 11
COMMIT
```

The Messages pane at the bottom shows the execution results:

```
(0 rows affected)

(0 rows affected)

Completion time: 2021-04-30T19:57:34.2718708+05:30
```

The status bar at the bottom indicates 'Query executed successfully.' and 'localhost (15.0 RTM) LAPTOP-HU6N4SCC\SAMYUK... master 00:00:00 0 rows'.

3. Write a transaction to illustrate isolation level. It can be on commit or uncommit
read (related to your database)

SQLQuery1.sql - localhost:master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (75)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

- localhost (SQL Server 15.0.2000.5 - LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (75))
- Databases
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery1.sql - L.KTHA CHILAKA (75)

```
BEGIN TRANSACTION MyTransaction
BEGIN TRY
    UPDATE StudentDetails SET stdid=7 WHERE stdname='John Cena'
    UPDATE StudentDetails SET stdid='1234567890' WHERE stdname='The Rock'
    COMMIT TRANSACTION MyTransaction
    PRINT 'TRANSACTION SUCCESS'
END TRY
BEGIN CATCH
    ROLLBACK TRANSACTION MyTransaction
    PRINT 'TRANSACTION FAILED'
END CATCH
```

142 %

Messages

(0 rows affected)

(0 rows affected)

TRANSACTION SUCCESS

Completion time: 2021-04-30T19:49:19.7789046+05:30

142 %

Query executed successfully.

localhost (15.0 RTM) LAPTOP-HU6N4SCC\SAMYUK... master 00:00:00 0 rows

Ready Ln 1 Col 18 Ch 18 INS