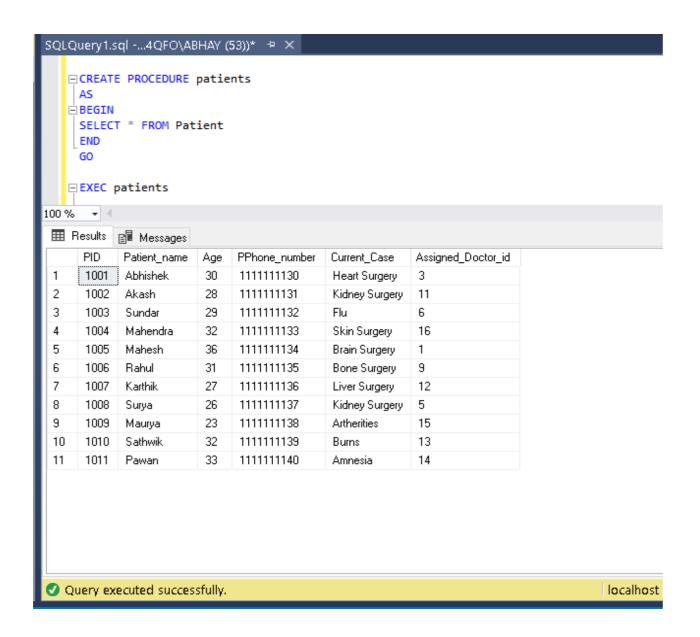
## DBMS Lab Assignment 7

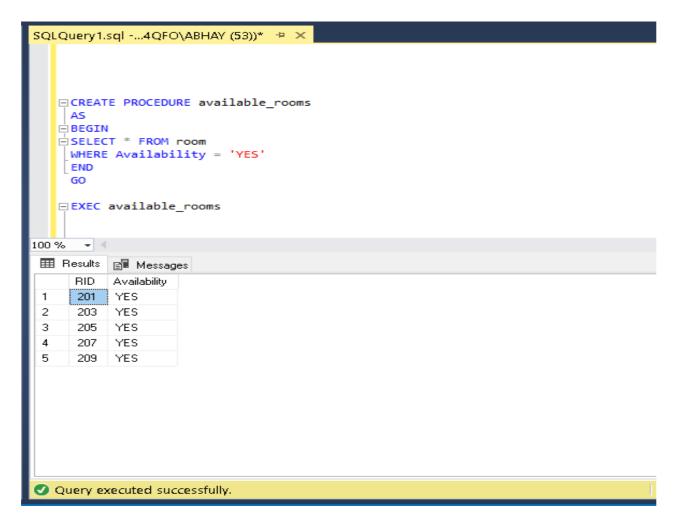
Abhishek Arya (19BCS004)

1. Write two stored Procedures relevant to your database.

```
a) CREATE PROCEDURE patients AS
   BEGIN
   SELECT * FROM Patient END
   GO
   EXEC patients
```



```
b) CREATE PROCEDURE available_rooms AS
    BEGIN
    SELECT * FROM room
    WHERE Availability = 'YES' END
    GO
    EXEC available_rooms
```

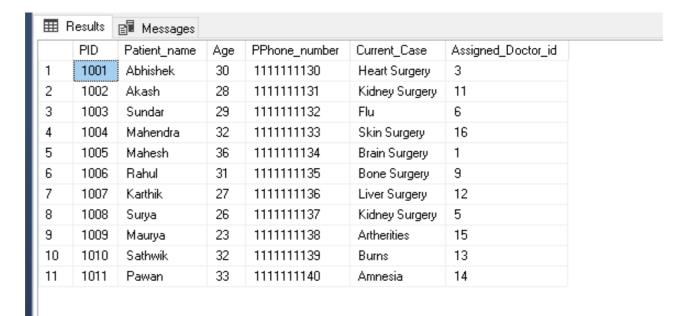


2. Write a transaction to illustrate atomicity (related to your database).

```
BEGIN TRAN
INSERT INTO Patient VALUES
(1012, 'Roy', 40, '1111125946', 'Corona',17)
UPDATE Patient
SET PPhone_number = '1111198765' WHERE PID = 'hello' SELECT * FROM
Patient
COMMIT TRAN
```

```
SQLQuery1.sql -...4QFO\ABHAY (54))
                                      SQLQuery1.sql -...4QFO\ABHAY (53))* 🖼 🔀
   ■ BEGIN TRAN
   ∐INSERT INTO Patient
     VALUES
     (1012, 'Roy', 40, '1111125946', 'Corona', 17)
   □UPDATE Patient
     SET PPhone number = '1111198765' WHERE PID = 'hello'
     SELECT * FROM Patient
     COMMIT TRAN
100 % 🕝 🤻
Messages
   (1 row affected)
   Msg 245, Level 16, State 1, Line 23
   Conversion failed when converting the varchar value 'hello' to data type int.
   Completion time: 2021-04-30T13:27:19.4850018+05:30
100 %
       + 4

    Query completed with errors.
```



As the updation doesn't occur because of wrong input data type, the insertion doesn't occur too because of atomicity.

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

```
BEGIN TRAN

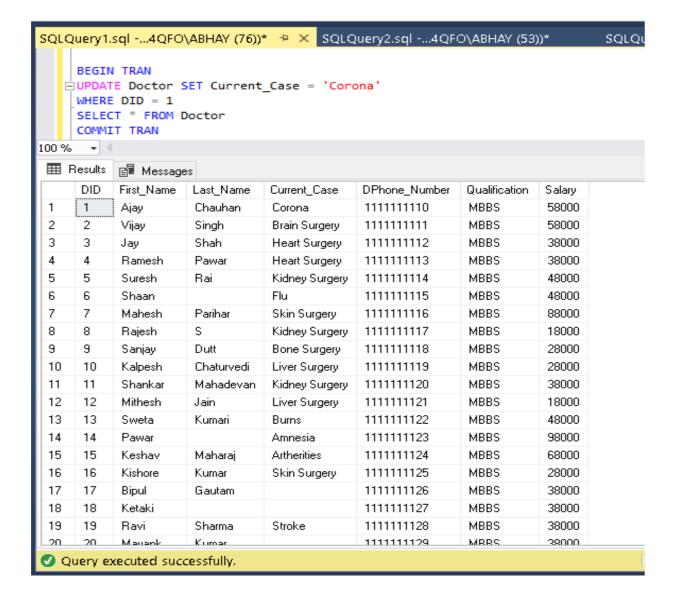
UPDATE Doctor

SET Current_Case = 'Corona' WHERE

DID = 1

SELECT * FROM Doctor COMMIT

TRAN
```



## SET TRANSACTION ISOLATION LEVEL READ UNCOMMITTED BEGIN TRAN

Select \* from Doctor
WHERE DID = 1

