DBMS TRANSACTION STORED_PROC ROLL NO:-19BCS120

Q1)Write two stored Procedures relevant to your database.?

ANS)

Query:-

CREATE PROCEDURE patients

AS

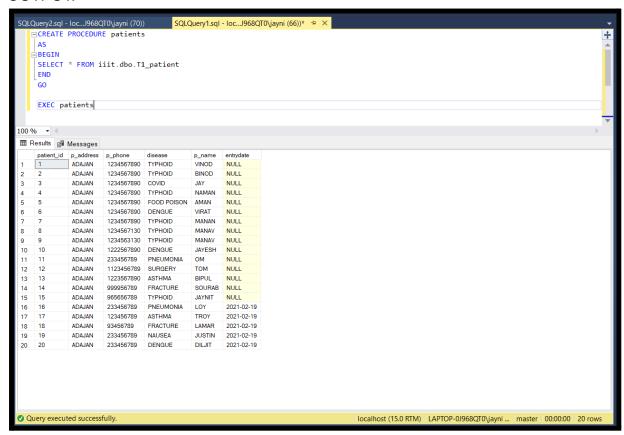
BEGIN

SELECT * FROM iiit.dbo.T1_patient

END

GO

EXEC patients



QUERY:-

CREATE PROCEDURE special_room_patients

AS

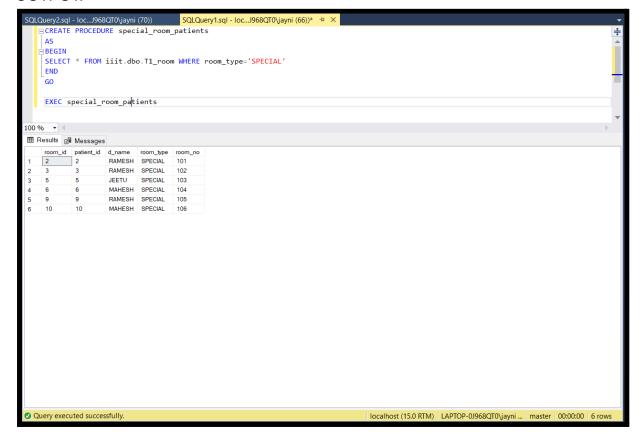
BEGIN

SELECT * FROM iiit.dbo.T1_room WHERE room_type='SPECIAL'

END

GO

EXEC special_room_patients



Q2)Write a transaction to illustrate atomicity (related to your database)? ANS)

QUERY:-

BEGIN TRAN
INSERT INTO iiit.dbo.T1_patient
VALUES('21', 'ADAJAN','742568','TYPHOID','JAGGU',")

UPDATE iiit.dbo.T1_patient SET p_phone='phone' WHERE patient_id=7 SELECT * FROM iiit.dbo.T1_patient

COMMIT TRAN

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SOLQuery4.sqf -loc...J968QTO(jayni (62))

SQLQuery1.sqf -loc...J968QTO(jayni (66))* 9 X

SEBGIN TRAN

INSERT INTO Sift..dbo.Tl_patient

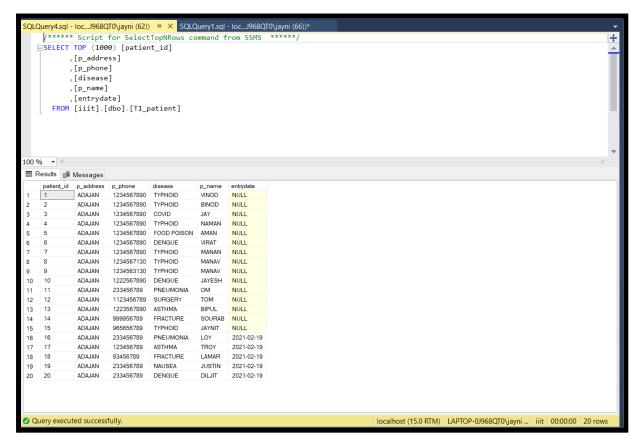
VALUES('21', 'ADA)AN','742568','TYPHOID','JAGGU','')

UPDATE ifit..dbo.Tl_patient SET p_phone='phone' MHERE patient_id=7

SELECT * FROM iiit..dbo.Tl_patient

COMPILT TRAN

Insert if the second se
```



So we can see from the above output that all the transactions are rolled back as there was a type error in the transactions.

Q3)Write a transaction to illustrate isolation level. It can be on commit or uncommit read (related to your database)?

ANS)

QUERY:-

Window1:-

BEGIN TRAN

UPDATE iiit.dbo.T1_patient SET p_phone='000000' WHERE

patient id=7

SELECT * FROM iiit.dbo.T1 patient

COMMIT TRAN

Window2:-

SET TRANSACTION ISOLATION LEVEL READ

UNCOMMITTED

BEGIN TRAN

Select * from iiit.dbo.T1_patient

WHERE patient id=7

