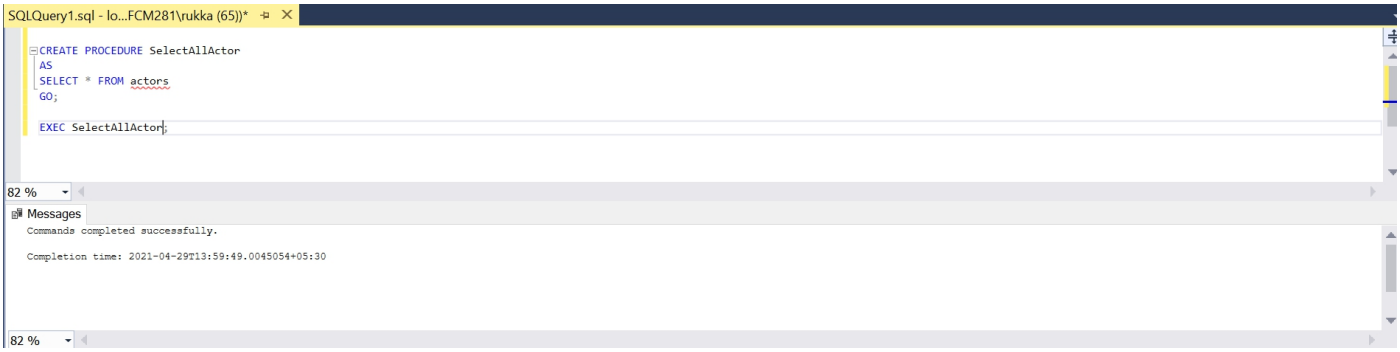
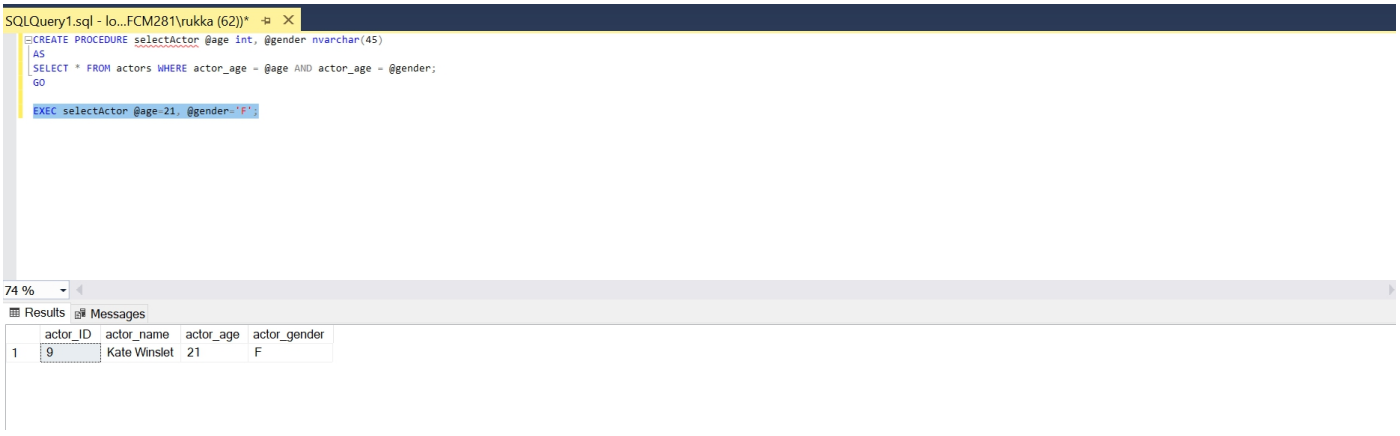
DBMS LAB ASSIGNMENT - 7

NAME : R. DHATRI KIRAN
ROLL NO. : 19BCS093

Q1) Write two stored Procedures relevant to your database.

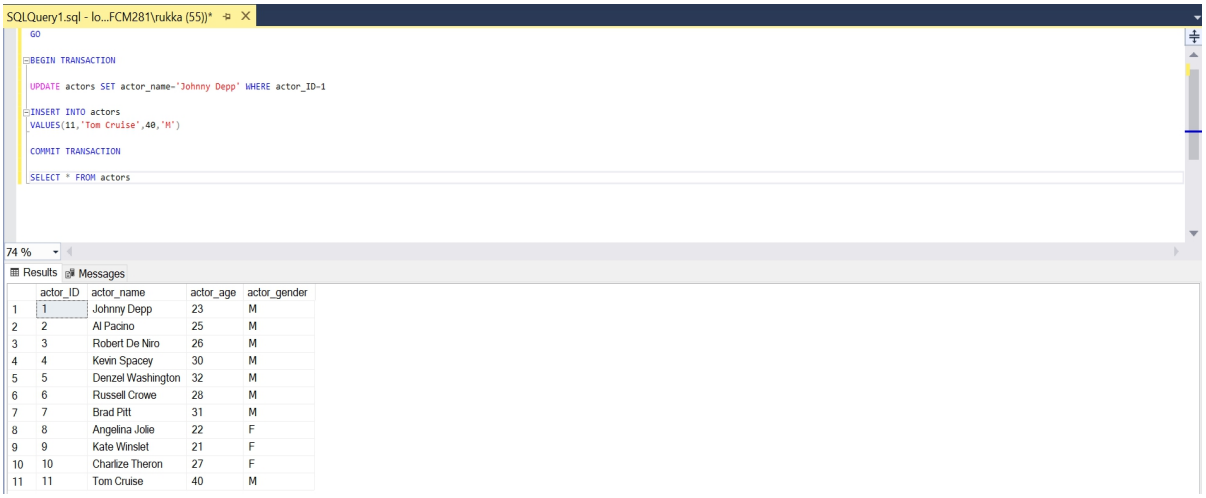
OUTPUT :





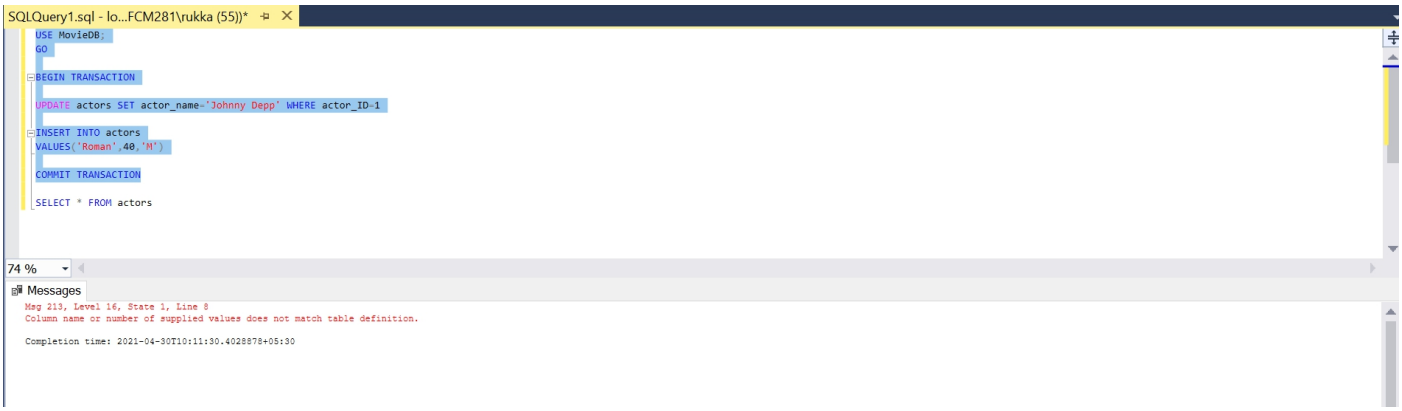
Q2) Write a transaction to illustrate atomicity (related to your database)

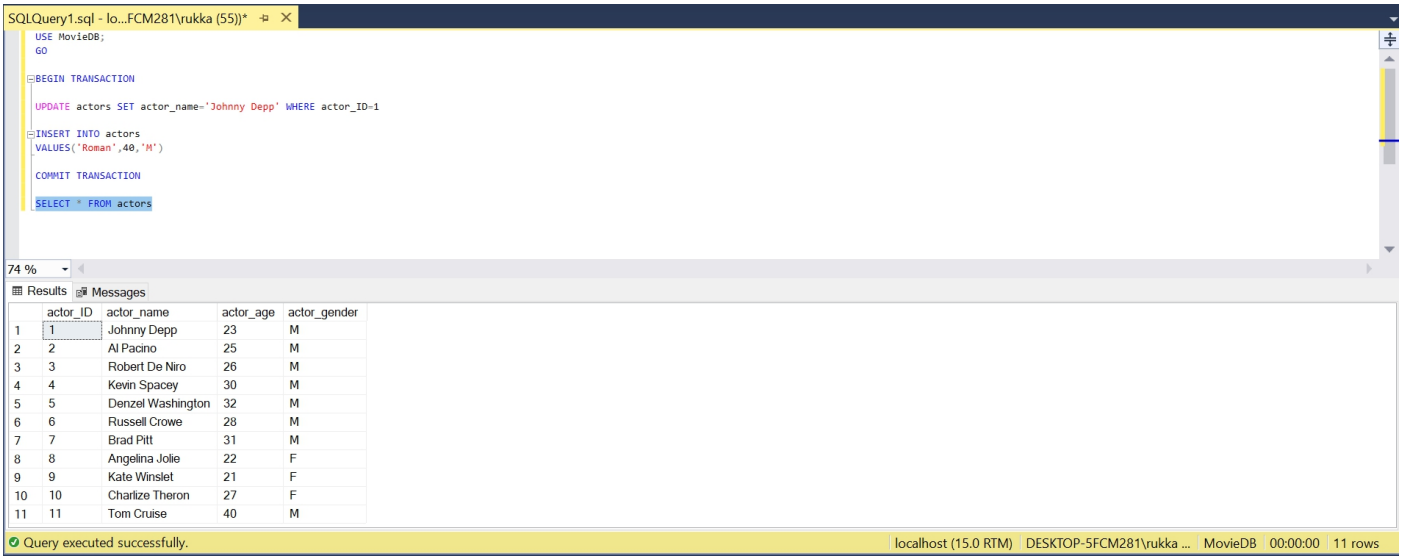
OUTPUT after transaction is successful



This time we will insert wrong information in the Customers table to fail the insertion deliberately.

OUTPUT after transaction:





As we could see here when error occurs in the transaction it got rolled back so the table has its previous values and didn't get updated.
It means all the statements inside a transaction should either succeed or fail as a unit. So this is the atomicity property.

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

SQLQuery1.sql - lo...FCM281\rukka (55))*

```
USE MovieDB;
GO

BEGIN TRANSACTION

UPDATE actors SET actor_name='Johnny Depp' WHERE actor_ID=1
```

74 %

Messages

```
(1 row affected)

Completion time: 2021-04-30T10:16:51.0989975+05:30
```

SQLQuery1.sql - lo...FCM281\rukka (55))*

```
USE MovieDB;
GO

SET TRANSACTION ISOLATION LEVEL READ COMMITTED
GO
BEGIN TRANSACTION
SELECT * FROM actors
```

74 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	1	Johnny Depp	23	M
2	2	Al Pacino	25	M
3	3	Robert De Niro	26	M
4	4	Kevin Spacey	30	M
5	5	Denzel Washington	32	M
6	6	Russell Crowe	28	M
7	7	Brad Pitt	31	M
8	8	Angelina Jolie	22	F
9	9	Kate Winslet	21	F
10	10	Charlize Theron	27	F
11	11	Tom Cruise	40	M

Query executed successfully. | localhost (15.0 RTM) | DESKTOP-5FCM281\rukka ... | MovieDB | 00:00:00 | 11 rows