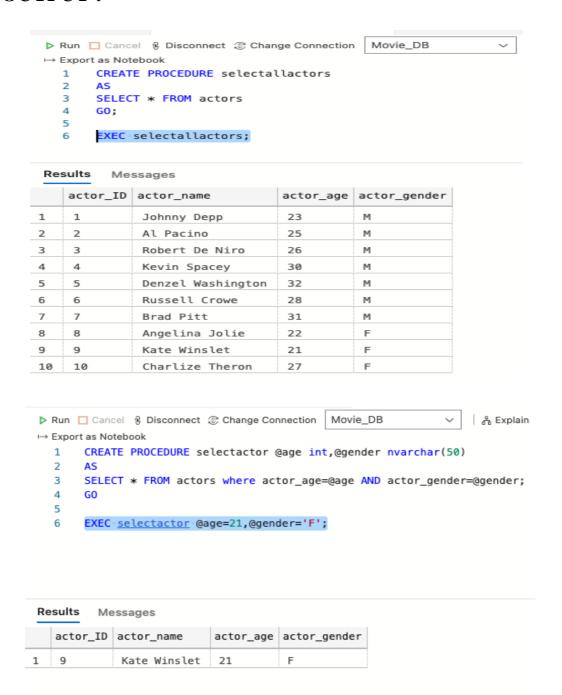
DBMS LAB ASSIGNMENT - 7

NAME: G.MOHITH KRISHNA ROLL No.: 19BCS043

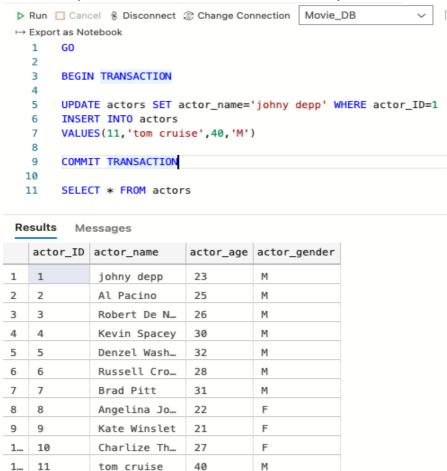
1. Write two stored Procedures relevant to your database.

OUTPUT:



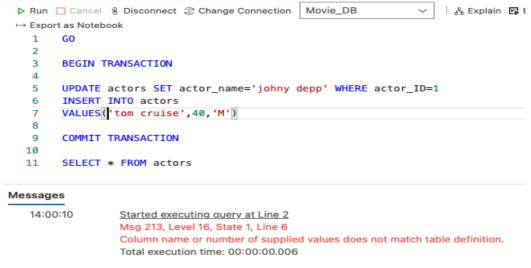
2. Write a transaction to illustrate atomicity (related to your database)

OUTPUT (after transaction is successfull):



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

OUTPUT (after the transaction is failed):



```
▶ Run ☐ Cancel 🖇 Disconnect ② Change Connection
                                              Movie_DB

→ Export as Notebook

   1
   3
        BEGIN TRANSACTION
       UPDATE actors SET actor_name='johny depp' WHERE actor_ID=1
        INSERT INTO actors
        VALUES('tom cruise',40,'M')
   7
   9
       COMMIT TRANSACTION
  10
        SELECT * FROM actors
  11
Results
          Messages
    actor_ID actor_name
                                   actor_age actor_gender
1
               johny depp
                                   23
2
     2
               Al Pacino
                                   25
                                              Μ
     3
              Robert De Niro
3
                                   26
                                              Μ
     4
              Kevin Spacey
                                   30
4
                                              М
     5
5
               Denzel Washington
                                   32
                                              Μ
     6
               Russell Crowe
                                              Μ
6
                                   28
7
     7
               Brad Pitt
                                   31
                                              М
     8
               Angelina Jolie
                                              F
8
                                   22
9
     9
              Kate Winslet
                                   21
                                              F
```

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.

27

40

Μ

Charlize Theron

tom cruise

10

11

10

11

It means all the statements inside a transaction should either succeed or fail as a unit. So this is the atomicity property.

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

OUTPUT:

