# SECTION -B

Use an appropriate combination of SQL, stored procedures and/or triggers to implement

the ability to allow programmers to cast a new actor (by ID#) to a movie (by ID#).

Do not allow actors to be cast more than once for each movie.

Demonstrate that your system works by trying the following.

Cast George Faraday (# 124) in Slumdog Millionaire (# 921).

Cast George Faraday in Back to the Future (# 928).

Cast George Faraday (# 124) in Slumdog Millionaire (# 921)

Record in the script comments what happens with each of these updates and why.

SQL> SELECT * FROM MOVIE_CAST;

```
    ACT_ID    MOV_ID ROLE

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       101       901 John Scottie Ferguson

       102       902 Miss Giddens

       103       903 T.E. Lawrence

       104       904 Michael

       105       905 Antonio Salieri

       106       906 Rick Deckard

       107       907 Alice Harford

       108       908 McManus

       110       910 Eddie Adams

       111       911 Alvy Singer
```

```
       112      912 San


   ACT_ID    MOV_ID ROLE

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       113      913 Andy Dufresne

       114      914 Lester Burnham

       115      915 Rose DeWitt Bukater

       116      916 Sean Maguire

       117      917 Ed

       118      918 Renton

       120      920 Elizabeth Darko

       121      921 Older Jamal

       122      922 Ripley

       114      923 Bobby Darin

       109      909 J.J.Gittes


   ACT_ID    MOV_ID ROLE

---------- ---------- ----------------------------

       119      919 Alfred Borden

       124      921 JAVED

       124      928 David Shaw
```

ALTER TABLE movie_cast ADD CONSTRAINT uk_movie_cast_actor UNIQUE (mov_id, act_id);


NOTE : **ALTERING THE TABLE WITH CONSTRAINTS FOR GETTING THE UNIQUE RECORDS**

SQL> CREATE OR REPLACE PROCEDURE NEW_CASTING (act_id IN NUMBER, mov_ID IN NUMBER, role IN VARCHAR2 ) AS

2    BEGIN

3    INSERT INTO MOVIE_CAST

4    VALUES (act_ID, mov_ID, role);

5    exception

6    when others then

7    dbms_output.put_line('This actor is already cast for this movie.');

8    END NEW_CASTING;

9    /

SQL>  EXECUTE NEW_CASTING (124,921,'JAVED');

- **This actor is already cast for this movie.**

PL/SQL procedure successfully completed.

SQL> EXECUTE NEW_CASTING (124,928,'David Shaw');

- **This actor is already cast for this movie.**

PL/SQL procedure successfully completed.

SQL>  EXECUTE NEW_CASTING (124,921,'Jamil');

- **This actor is already cast for this movie.**

PL/SQL procedure successfully completed.

**NOTE:**

 **IN CASE IF THE TABLE IS ALTERED WITH UNIQUE CONSTRAINT,NO NEED OF TRIGGER CREATION.**