

1 Task 1

Create a MySQL database name *Actors*. In this database, create the following three tables.

- *actors* <AID varchar(5),name varchar(20),sex char(1),dob date> /*AID is the primary key*/
- *movies*<MID varchar(5),Title varchar(30),Genre varchar(15), duration float(4,2), ReleasedDate date> /*MID is the primary key*/
- *actorMovie*<MID varchar(5),AID varchar(5),Rolename varchar(15)> /*AID is a foreign key which refers to *actors.AID*. Again, MID is also a foreign key which refers to *movies.MID*.*/

2 Task 2

Now write the MySQL queries to perform the followings-

1. List the actorIDs, names of actors, along with titles of movies they have acted in. If they have not acted in any movie, show the movie title as null.
2. Create a procedure [name **procActorMov**] which takes the actorID as input parameter and prints the number of movies (genre wise)the actor has done so far.
3. Create a function [name **funActorDoubleRole**] which takes actorID as input and returns true if the actor has acted in a double role or returns false otherwise.
4. Create an **actorMovieBck** table such that it has all the attributes of *actorMovie* table plus one additional attribute *dateDeleted*. Write a trigger for *actorMovie* table such that whenever an entry is deleted from *actorMovie* table then a corresponding entry is inserted in the *actorMovieBck* table with the date of delete.
5. Write a procedure [name **procAutoDelete**] to check the *dateDeleted* entry of the *actorMovieBck* table. If it is more than 7 days old then delete the corresponding entry from the *actorMovieBck* table.

3 Submission

Write all the relevant MySQL queries that you have used to perform *Task 1* and *Task 2*. Submit the queries using a **makeup.txt** file. While writing the queries, please ensure that you use the table names and attributes as given in the above specification as your queries will be evaluated on identical set of tables and columns. Pls, submit the assignment using the following submission link only.

<http://172.16.1.252/~samrat/CS355/submission/>