BSQL Assignment 204

Objective: H5SD - SQL skills

Problem Description:

Building a Movie Collection database to store information about movies.

Questions to answer:

Q1: Create your tables

1. Create a table called Movie to store information about movies. Add columns in your table for a *movie name*, *duration*, *genre*, *director*, *amount of money* made at the box office and *comments*.

- Make sure one of your columns works as a PRIMARY KEY.
- Genre: accepts value range from 1 to 8 only (1: Action, 2: Adventure, 3: Comedy, 4: Crime (gangster), 5: Dramas, 6: Horror, 7: Musical/dance, 8: War)
- Duration: must be greater than or equal 1 hours

2. Create another table called Actor to store information about actors. Just like you did with Movie, add several columns to store actor data for the *actor's name*, *age*, *average movie salary*, and *Nationality*. Again, make sure there is a PRIMARY KEY in your table.

3. Create a final table called ActedIn to store information about which movies certain actors have acted in. Think carefully about what the columns of this table should be. This table should make use of FOREIGN KEYS.

Create the above tables with the most appropriate/economic field/column constraints & types, all fields are mandatory except the Comments field.

Q2. Populate tables

1. Add an ImageLink field to Movie table and make sure that the database will not allow the value for ImageLink to be inserted into a new row if that value has already been used in another row.
2. Populate your tables with some data using the INSERT statement. Make sure you have at least 5 tuples per table.

You accidentally mistyped one of the actors' names. Fix your typo by using an UPDATE statement.

Q3. Query tables

1. Write a query to retrieve all the data in the Actor table for actors that are older than 50.
2. Write a query to retrieve all actor names and average salaries from ACTOR and sort the results by average salary.
3. Using an actor name from your table, write a query to retrieve the names of all the movies that the actor has acted in.
4. Write a query to retrieve the names of all the action movies that amount of actor be greater than 3

Estimated Time to complete:180 mins.