Sessional Assignment Summer 2020

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Program : **BS : SE**

Course Title: **Database Systems**

Instructor : **Rimsha Khan**

Total Marks: **20**

Q1: Write SQL queries for the following DDL Statements

1. **Write SQL Query to create a Database by the name Gallery (Marks 2)**
   ANSWER :
   CREATE DATABASE Gallery;

2. **Write a SQL query to create a table by the name Movies which should have the following columns and restrictions: (Marks 10)**

   Column Name: ID   Type: integer
   Column Name: Movie_Name   Type: varchar
   Column Name: Genre   Type: varchar
   Column Name: Year   Type: integer
   Column Name: Rating   Type: integer

   Restrictions: ID should be the primary key i.e NOT NULL. Movie_Name should also be NOT NULL. Year should have a maximum value of 2020 and rating should have a maximum value of 5.

   ANSWER:

   CREATE TABLE Movies

   (ID integer() NOT NULL PRIMARY KEY,

   Movie_Name varchar() NOT NULL,

   Genre varchar() NOT NULL,

Year integer(),

Rating integer(),

MAX_year decimal(6,0) DEFAULT NULL,

MAX_rating decimal(6,0) DEFAULT NULL,)

ENGINE=Movies;

3. **Write 4 SQL Queries to insert RANDOM data of 4 movies in Movies Table. (4 marks).**
   ANSWER :
   ```
           NSERT INTO Movies
   INSERT INTO Customers (MovieName, Year, rating, genre)
   VALUES ('jism2', '2010', '5', 'love')
   ('krish', '2010', '5', 'love')
   ('pyar', '2010', '5', 'love')
   ('dhoom', '2010', '5', 'love');
   ```

4. **Write SQL Query for finding/displaying movies with rating greater than 4. (2 marks)**
   ANSWER :
   ```
           SELECT rating
   FROM Movies
   WHERE rating >= 13
   ORDER BY rating;
   ```

5. **Write an SQL Query to delete data of movies of year 2020. (2 marks)**
   ANSWER :
   ```
           DELETE FROM Movies
            WHERE year = 2020;
   ```