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BS (SE) Section: A

Submitted To: Maam Rimsha

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Department of Computer Science,

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Sessional Assignment Summer 2020

Course Title: Database Systems
Instructor: Rimsha Khan
Total Marks: 20

NOTE: Understanding the paper is part of solving the paper so no questions will be entertained.

INSTUCTIONS:
- **Only write queries. No need to run the queries and show results.**
- **Upload after converting to PDF**

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 int NOT NULL,

Movie_Name varchar (255) NOT NULL,

rating int set (min, max)=(0,5),

year int set (min, max) = (1995,2020),

genre varchar (255),

PRIMARY KEY (ID)

);

3. **Write 4 SQL Queries to insert RANDOM data of 4 movies in Movies Table. (4 marks).**

   Answer:

   1 INSERT INTO Movies (ID, Movie_Name, rating, year, genre)
      VALUES ('1', 'spiderman', '5', '2000', 'romance');

   2 INSERT INTO Movies (ID, Movie_Name, rating, year, genre)
      VALUES ('2', 'titanic', '4', '1998', 'romance');

   3 INSERT INTO Movies (ID, Movie_Name, rating, year, genre)
      VALUES ('3', 'godfather', '4', '2009', 'action');

4   INSERT INTO Movies (ID, Movie_Name, rating, year, genre)
    VALUES ('4', 'joker', '2', '2020', 'comedy');

4. **Write SQL Query for finding/displaying movies with rating greater than 4. (2 marks)**

Answer :

SELECT * FROM Movies

WHERE rating > 4;

5. **Write an SQL Query to delete data of movies of year 2020. (2 marks)**

Answer :

DELETE FROM Movies WHERE year='2020';

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