



Sessional Assignment Summer

Course Name: Introduction to Database Systems

Submitted By:

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BS (SE-8) Section: A

Submitted To:

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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.

INSTRUCTIONS:

- 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)**
- 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.

- 3. Write 4 SQL Queries to insert RANDOM data of 4 movies in Movies Table. (4 marks).**
- 4. Write SQL Query for finding/displaying movies with rating greater than 4. (2 marks)**
- 5. Write an SQL Query to delete data of movies of year 2020. (2 marks)**

Q1

Answer:

```
CREATE DATABASE Gallery;
```

Q2

Answer:

```
CREATE TABLE Movies (  
    ID int NOT NULL PRIMARY KEY,  
    Movie_Name varchar NOT NULL,  
    Genre varchar,  
    Year int ,  
    Rating int,  
    check (Year between 0 and 2020),  
    check (Rating between 0 and 5),  
);
```

Q3

Answer:

```
INSERT INTO Movies (ID,Movie_Name,Genre,Year,Rating)  
VALUES (1, 'Inception', 'Sci-Fi', 2010, 5 );
```

```
INSERT INTO Movies (ID,Movie_Name,Genre,Year,Rating)  
VALUES (2, 'Mr. Nobody', 'Sci-Fi', 2009, 5 );
```

```
INSERT INTO Movies (ID,Movie_Name,Genre,Year,Rating)  
VALUES (3, 'Triangle', 'Thriller', 2009, 4 );
```

```
INSERT INTO Movies (ID,Movie_Name,Genre,Year,Rating)  
VALUES (4, 'Shutter Island', 'Mystery', 2010, 5 );
```

Q4

Answer:

```
SELECT * FROM Movies
```

```
WHERE Rating > 4;
```

Q5

Answer:

```
DELETE FROM Movies
```

```
WHERE Year=2020;
```