



## **Assignment No. 1**

**Submitted By:**

Hamza khan afridi (13071)

BS (SE)

**Subject :**

# **Database Systems**

**Question1 : Write SQL Query to create a Database by the name Gallery**

**Answer:** CREATE DATABASE Gallery;

**1. Question2 : 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;

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

**Answer:** INSERT 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');
```

**Question4 : Write SQL Query for finding/displaying movies with rating greater than 4. (2 marks)**

**Answer:** SELECT rating

FROM Movies

WHERE rating >= 4

ORDER BY rating;

**Question5 :Write an SQL Query to delete data of movies of year 2020. (2 marks)**

**Answer:** DELETE FROM Movies

WHERE year = 2020;

