

DBMS - Session 5 Homework

Q1. Create a new database called ExamDB using the CLI.

Q2. In ExamDB, create a table Student with the following structure:

- StudentID (Primary Key)
- Name (Not Null)
- Email (Unique)
- Gender (ENUM: 'Male', 'Female', 'Other', default = 'Other')
- DOB (Date)

Q3. Insert at least 3 records into the Student table.

- Gender for one student to test the default value.

Q4. Try inserting a record into Student with a duplicate Email and note the error.

Q5. Create a table Course with the following columns:

- CourseID (Primary Key), Title, Duration.
- Insert at least 3 records into Course.

Q6. Create a table Enrollment with the following columns:

- EnrollmentID (Primary Key), StudentID , CourseID , EnrollDate (Default current date/time).
- Insert at least 2 records.

Q7. Try to insert a record into Enrollment using a StudentID that does not exist in Student.

- Write down the error message you get.

Q8. Draw an E-R Diagram for any one of the following systems:

- Library Management System
- Hospital Patient Management System
- Online Course Enrollment System

Clearly indicate Entities, Attributes, Primary Keys, Foreign Keys, and Relationships.