­­



Submitted to

:

Mam. Humaira

***BS-Software Engineering 4th-E***

Title: Lab report 5

DBS

Hamza Mehmood

Roll# SP-21-110

NUML-S21-23530



National University of Modern Languages

**Question # 01**

Q1: For the following Logical Schema write DDL to create Registration Database.

• Student(sid: integer, name: string, login: string, age: integer, gpa:float )

• Course(cid: string, cname:string, credits:integer)

• Enrolled(sid:integer, cid:string, grade:string)

Here is the DDL (Data Definition Language) statement to create the **Student table** in the Registration database:

**CREATE TABLE Student (**

**sid INTEGER PRIMARY KEY,**

**name STRING NOT NULL,**

**login STRING NOT NULL,**

**age INTEGER NOT NULL,**

**gpa FLOAT NOT NULL**

**);**

Here is the DDL (Data Definition Language) statement to create the **Course table** in the Registration database:

**CREATE TABLE Course (**

**cid STRING PRIMARY KEY,**

**cname STRING NOT NULL,**

**credits INTEGER NOT NULL**

**);**

Here is the DDL (Data Definition Language) statement to create the **Enrolled table** in the Registration database:

**CREATE TABLE Enrolled (**

**sid INTEGER PRIMARY KEY,**

**cid STRING NOT NULL,**

**grade STRING NOT NULL**

**);**

**Question # 02**

Using alter query add an attribute in the table Enrolled. Name of the attribute is session. It will contain values like Fall2020, Spring2020, Fall2021 etc.

**ALTER TABLE Enrolled ADD session VARCHAR (10);**

**Question # 03**

write query to delete table Student. Report what happens when query is executed. What steps should you take to make that happen.

**DELETE FROM Student;**

**“Upon execution of this query, all rows and data in the Student table will be deleted. If the table has any dependencies or is referenced by other tables, the query may fail and an error message may be displayed.”**