

LAB REPORT

CSE312: Database Management System Lab

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| 01 [Report Number] |

Topic: DDL (Create, Alter, Drop)

Submitted To

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| Experiment No: 01 | | Mapping: CO1 and CO2 |
| Experiment Name | Database Creation and Table Operations | |

Experiment Details:

Database Creation:

SQL Command: CREATE DATABASE SchoolDB;

Table Creation:

Creating a Students Table:

CREATE TABLE Students (

student\_id INT PRIMARY KEY,

name VARCHAR(50),

age INT,

grade VARCHAR(10)

);

Obtained Output:

|  |  |
| --- | --- |
| SQL query successfully executed. However, the result set is empty. | Desired Output? |
| YES |

Alternative Steps/Solution (If any):

No

Observation/ Comments: Successfully created SchoolDB with Students.

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| Experiment No: 02 | | Mapping: CO1 and CO2 |
| Experiment Name | DML Operations (Insert, Update, Delete, and Select) | |

Experiment Details::

1. Insert Operation

* SQL Command

INSERT INTO Students (student\_id, name, age, grade) VALUES (1, 'John Doe', 20, 'A');

Obtained Output:

|  |  |
| --- | --- |
|  | Desired Output? |
| YES |

Alternative Steps/Solution (If any): NO

1. Update Operation

* SQL Command

UPDATE Students SET grade = 'B' WHERE student\_id = 1;

Obtained Output:

|  |  |
| --- | --- |
|  | Desired Output? |
| YES |

Alternative Steps/Solution (If any): NO

1. Delete Operation

* SQL Command

DELETE FROM Students WHERE student\_id = 1;

Obtained Output:

|  |  |
| --- | --- |
|  | Desired Output? |
| YES |

Alternative Steps/Solution (If any): NO

1. Select Operation

* SQL Command

SELECT \* FROM Students;

Obtained Output:

|  |  |
| --- | --- |
|  | Desired Output? |
| YES |

Alternative Steps/Solution (If any): NO

Observation/ Comments: All DML operations were successfully executed on Students.