

Labsheet-04

1. Insert a new Student into the Students table:-

```
INSERT INTO Students (Student ID, First Name,  
Last Name, Date of Birth, Gender, Email)
```

```
VALUES (1, 'John', 'Doe', '2000-01-01', 'M',  
'john.doe@example.com');
```

Output :- 1 row inserted

2. Insert three more Students:-

```
INSERT INTO Students VALUES (2, 'Jane', 'Doe',  
'1999-05-15', 'F', 'Jane.doe@example.com'),
```

```
(3, 'Alice', 'Smith', '2001-03-10', 'F', 'alice-  
Smith@example.com'), (4, 'Bob', 'Brown',  
'2002-07-20', 'M', 'bob.brown@example.com')
```

```
(5, 'Carol', 'Johnson', '1998-11-30', 'F', 'Carol  
Johnson@example.com');
```

Output

4 rows inserted

3. Insert a new course (Database Systems):-

```
INSERT INTO Courses VALUES  
(101, 'Database Systems', 3, 'Dr. Smith');
```

Output:-

1 row inserted

4. Insert two more courses:-

```
INSERT INTO Courses VALUES  
(102, 'Data Structures', 4, 'Dr Johnson')  
(103, 'Operating Systems', 3, 'Dr Williams')  
(104, 'Networks', 3, 'Dr Smith')  
(105, 'Machine Learning', 4, 'Dr Brown');
```

Output:-

4 rows inserted

5. Retrieve all columns from Students:

```
SELECT * FROM Students:-
```

Output:-

Student ID	First Name	Last Name	Date
1	John	Doe	2000-01-01
2	Jane	Doe	1999-05-15
3	Alice	Smith	2001-03-10
4	Bob	Brown	2002-07-20
5	Carol	Johnson	1998-11-30

Gender

M

F

F

M

F

Email

john.doe@example.com

jane.doe@example.com

alice.smith@example.com

Bob.brown@example.com

Carol.johnson@example.com

6. Retrieve First Name, last Name, Email of all Students: -

```
SELECT First Name, last Name, Email  
FROM Student;
```

Output

5 rows (Only 3 columns displayed)

Update Command

Ques → Update the email address of the Student with Student ID to john new email @ example.com!

```
UPDATE Students
```

```
SET emails = 'John.new email@example.com'
```

```
WHERE Student ID = 1;
```

Ques → Update the Credits of the Course with Course ID = 101 + 04

```
UPDATE Courses
```


SET Credits = 4

Where Course ID = 101;

Ques → Update the instructor of all courses taught by Dr Smith to Dr. Johnson

UPDATE Instructor = 'Dr Johnson'

WHERE Instructor = 'Dr Smith';

~~6/10/15~~