

## 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 four 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.

Ques → 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 email = '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';

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