Experiment 4.II

PART A:

CREATE TABLE StudentEnrollments (

enrollment\_id INT AUTO\_INCREMENT PRIMARY KEY,

student\_name VARCHAR(100),

course\_id VARCHAR(10),

enrollment\_date DATE,

UNIQUE (student\_name, course\_id) -- prevents duplicate enrollment

);

INSERT INTO StudentEnrollments (student\_name, course\_id, enrollment\_date)

VALUES ('Ashish', 'CSE101', '2024-07-01');

START TRANSACTION;

INSERT INTO StudentEnrollments (student\_name, course\_id, enrollment\_date)

VALUES ('Ashish', 'CSE101', '2024-07-01');

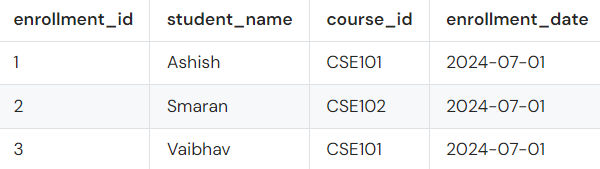
COMMIT;

START TRANSACTION;

INSERT INTO StudentEnrollments (student\_name, course\_id, enrollment\_date)

VALUES ('Ashish', 'CSE101', '2024-07-01'); -- ERROR: Duplicate entry

COMMIT;



PART B:

START TRANSACTION;

SELECT \* FROM StudentEnrollments

WHERE student\_name = 'Ashish' AND course\_id = 'CSE101'

FOR UPDATE;

START TRANSACTION;

UPDATE StudentEnrollments

SET enrollment\_date = '2024-07-15'

WHERE student\_name = 'Ashish' AND course\_id = 'CSE101';

PART C:

START TRANSACTION;

UPDATE StudentEnrollments

SET enrollment\_date = '2024-08-01'

WHERE student\_name = 'Ashish' AND course\_id = 'CSE101';

START TRANSACTION;

UPDATE StudentEnrollments

SET enrollment\_date = '2024-09-01'

WHERE student\_name = 'Ashish' AND course\_id = 'CSE101';

COMMIT; 