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| Name: | Navya Siddhu |
| UID: | 23BCS11585 |
| Section: | 622 (B) |

Experiment 4.III

PART A:

CREATE TABLE StudentEnrollments (

student\_id INT PRIMARY KEY,

student\_name VARCHAR(100),

course\_id VARCHAR(10),

enrollment\_date DATE

);

INSERT INTO StudentEnrollments VALUES

(1, 'Ashish', 'CSE101', '2024-06-01'),

(2, 'Smaran', 'CSE102', '2024-06-01'),

(3, 'Vaibhav', 'CSE103', '2024-06-01');

START TRANSACTION;

UPDATE StudentEnrollments

SET enrollment\_date = '2024-07-01'

WHERE student\_id = 1;

START TRANSACTION;

UPDATE StudentEnrollments

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

WHERE student\_id = 2;



PART B:

SET TRANSACTION ISOLATION LEVEL REPEATABLE READ;

START TRANSACTION;

SELECT enrollment\_date

FROM StudentEnrollments

WHERE student\_id = 1;

START TRANSACTION;

UPDATE StudentEnrollments

SET enrollment\_date = '2024-07-10'

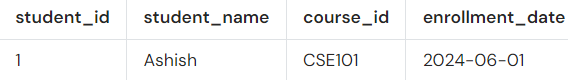
WHERE student\_id = 1;

COMMIT;

SELECT enrollment\_date

FROM StudentEnrollments

WHERE student\_id = 1;



PART C:

START TRANSACTION;

UPDATE StudentEnrollments

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

WHERE student\_id = 1;

START TRANSACTION;

SELECT enrollment\_date

FROM StudentEnrollments

WHERE student\_id = 1

FOR UPDATE;

START TRANSACTION;

UPDATE StudentEnrollments

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

WHERE student\_id = 1;

START TRANSACTION;

SELECT enrollment\_date

FROM StudentEnrollments

WHERE student\_id = 1;

