

Name:	Shasank Suman
UID:	23BCS12489
Section:	622 (A)

## 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;
```

student_id	student_name	course_id	enrollment_date
1	Ashish	CSE101	2024-06-01
2	Smaran	CSE102	2024-06-01
3	Vaibhav	CSE103	2024-06-01

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;

student_id	student_name	course_id	enrollment_date
1	Ashish	CSE101	2024-06-01

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;
```

student_id	student_name	course_id	enrollment_date
1	Ashish	CSE101	2024-06-01