

EXPERIMENT 4.1

NAME	Yadwinder Singh
UID	23BCS10091
CLASS	622-B

PART – A

```
CREATE TABLE FeePayments (
```

```
    payment_id INT PRIMARY KEY,
```

```
    student_name VARCHAR(100) NOT NULL,
```

```
    amount DECIMAL(10,2) CHECK (amount > 0),
```

```
    payment_date DATE NOT NULL
```

```
);
```

```
START TRANSACTION;
```

```
INSERT INTO FeePayments VALUES (1, 'Ashish', 5000.00, '2024-06-01');
```

```
INSERT INTO FeePayments VALUES (2, 'Smaran', 4500.00, '2024-06-02');
```

```
INSERT INTO FeePayments VALUES (3, 'Vaibhav', 5500.00, '2024-06-03');
```

```
COMMIT;
```

```
SELECT * FROM FeePayments;
```

payment_id	student_name	amount	payment_date
1	Ashish	5000.00	2024-06-01
2	Smaran	4500.00	2024-06-02
3	Vaibhav	5500.00	2024-06-03

PART-B

START TRANSACTION;

INSERT INTO FeePayments VALUES (4, 'Kiran', 6000.00, '2024-06-04');

INSERT INTO FeePayments VALUES (1, 'Ashish', -2000.00, '2024-06-05');

ROLLBACK;

SELECT * FROM FeePayments;

payment_id	student_name	amount	payment_date
1	Ashish	5000.00	2024-06-01
2	Smaran	4500.00	2024-06-02
3	Vaibhav	5500.00	2024-06-03

PART-C

START TRANSACTION;

INSERT INTO FeePayments VALUES (5, 'Ravi', 4000.00, '2024-06-06');

INSERT INTO FeePayments VALUES (6, NULL, 7000.00, '2024-06-07');

ROLLBACK;

SELECT * FROM FeePayments;

payment_id	student_name	amount	payment_date
1	Ashish	5000.00	2024-06-01
2	Smaran	4500.00	2024-06-02
3	Vaibhav	5500.00	2024-06-03

PART-D

START TRANSACTION;

INSERT INTO FeePayments VALUES (7, 'Neha', 8000.00, '2024-06-08');

INSERT INTO FeePayments VALUES (1, 'DuplicateTest', 1000.00, '2024-06-09');

ROLLBACK;

START TRANSACTION;

```
INSERT INTO FeePayments VALUES (8, 'Manish', 6500.00, '2024-06-10');  
  
COMMIT;
```

```
SELECT * FROM FeePayments;
```

payment_id	student_name	amount	payment_date
1	Ashish	5000.00	2024-06-01T00:00:00.000Z
2	Smaran	4500.00	2024-06-02T00:00:00.000Z
3	Vaibhav	5500.00	2024-06-03T00:00:00.000Z
7	Sneha	4700.00	2024-06-08T00:00:00.000Z
8	Arjun	4900.00	2024-06-09T00:00:00.000Z