

Name:	Sameer Rana
UID:	23bcs13430
Subject:	ADBMS
Section:	622-B

Ans 4.1:

**Code:**

DROP TABLE IF EXISTS FeePayments;

```
CREATE TABLE FeePayments ( payment_id INT PRIMARY
KEY, student_name VARCHAR(100) NOT NULL, amount
DECIMAL(10,2) NOT NULL CHECK (amount > 0),
payment_date DATE NOT NULL
) ENGINE=InnoDB;
```

-- Part A

START TRANSACTION;

```
INSERT INTO FeePayments (payment_id, student_name, amount, payment_date)
VALUES
```

```
(1, 'Ashish', 5000.00, '2024-06-01'),
```

```
(2, 'Smaran', 4500.00, '2024-06-02'),
```



COMMIT;

START TRANSACTION;

INSERT INTO FeePayments VALUES (9, 'Neha', 8200.00, '2024-06-10');

INSERT INTO FeePayments VALUES (2, 'Duplicate', 9000.00, '2024-06-11');

ROLLBACK;

-- Final table state

SELECT \* FROM FeePayments;

(a) Department's detail:

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

(b) Courses detail:

Error: Check constraint 'feepayments\_chk\_1' is violated.

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

(c)

Error: Column 'student\_name' cannot be null

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

(d)

Error: Duplicate entry '2' for key 'feepayments.PRIMARY'

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	Pooja	8000.00	2024-06-08T00:00:00.000Z
8	Arjun	7500.00	2024-06-09T00:00:00.000Z