

```
SHOW DATABASES;
```

```
CREATE DATABASE practical;
```

```
USE practical;
```

```
CREATE TABLE Student (  
    id int PRIMARY KEY AUTO_INCREMENT,  
    admission_no varchar(45) NOT NULL,  
    first_name varchar(45) NOT NULL,  
    last_name varchar(45) NOT NULL,  
    age int,  
    city varchar(25) NOT NULL  
);
```

```
CREATE TABLE Fee (  
    admission_no varchar(45) NOT NULL,  
    course varchar(45) NOT NULL,  
    amount_paid int  
);
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)  
VALUES (1001, 'Shital', 'Gayke', 18, 'Sinnar');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)  
VALUES (1002, 'Sakshi', 'More', 19, 'Nashik');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)  
VALUES (1003, 'Nidhi', 'Jadhav', 17, 'Nashik');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)  
VALUES (1004, 'Ajay', 'Mendade', 18, 'Satpur');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)
VALUES (1005, 'Prashant', 'More', 19, 'Wani');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)
VALUES (1006, 'Alok', 'Pandit', 18, 'Nashik');
```

```
INSERT INTO Student(admission_no, first_name, last_name, age, city)
VALUES (1007, 'Sanju', 'Banka', 18, 'Bhagur');
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1001, 'Android', 10000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1002, 'Data Science', 15000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1003, 'SQL', 18000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1004, 'Python', 20000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1005, 'Java', 8000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1010, 'Machine Learning', 25000);
```

```
INSERT INTO Fee (admission_no, course, amount_paid)
VALUES (1011, 'Cyber Security', 22000);
```

```
SELECT * FROM Student;
```

```
SELECT * FROM Fee;
```

```
SELECT s.admission_no, s.first_name, s.last_name, f.course, f.amount_paid  
FROM Student s  
INNER JOIN Fee f ON s.admission_no = f.admission_no;
```

```
SELECT s.admission_no, s.first_name, s.last_name, f.course, f.amount_paid  
FROM Student s  
LEFT JOIN Fee f ON s.admission_no = f.admission_no;
```

```
SELECT s.admission_no, s.first_name, s.last_name, f.course, f.amount_paid  
FROM Student s  
RIGHT JOIN Fee f ON s.admission_no = f.admission_no;
```

```
SELECT s.admission_no, s.first_name, s.last_name, f.course, f.amount_paid  
FROM Student s  
FULL JOIN Fee f ON s.admission_no = f.admission_no;
```

```
SELECT * FROM Fee  
WHERE amount_paid = (SELECT min(amount_paid) FROM Fee);
```