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);