CREATE TABLE student\_info(id int, s\_name varchar(20), course\_id int

, primary key(course\_id));

INSERT INTO student\_info values(1,'Deepthi', 201),(2,'Mufeeda', 202),

(3,'Sahana',203),(4,'Shreyas', 204),(5,'Harshith', 205);

SELECT \* FROM student\_info;

CREATE TABLE course\_info (id int, c\_name varchar(30), c\_id int,

foreign key(c\_id) references student\_info(course\_id) ON DELETE CASCADE ON UPDATE CASCADE);

INSERT INTO course\_info values(1,'Java', 201),(2,'sql',202),

(3,'HTML', 203), (4,'Css', 204),(5,'Bootstrap', 205);

SELECT \* FROM student\_info;

SELECT \* FROM course\_info;

UPDATE student\_info SET course\_id = 206 where id =1;

delete from student\_info where id = 3;

drop table student\_info;

enum:

CREATE TABLE coll\_info(id int, c\_name varchar(20),

branch enum('CS','EC','IS'), loc varchar(20));

SELECT \* FROM coll\_info;

INSERT INTO coll\_info values(1,'UBDT', 'EC', 'Dvg');

INSERT INTO coll\_info values(1,'UBDT', 6, 'Dvg');

JOINS:

SELECT \* FROM student\_info;

SELECT \* FROM course\_info;

INNER JOIN:

CREATE TABLE a(id int, a\_name varchar(20));

CREATE TABLE b(id int, b\_name varchar(20));

CREATE TABLE c(id int, c\_name varchar(20));

INSERT INTO a values(1,'ABC'),(2,'BCD'),(3,'DEF'),(4,'EFG');

INSERT INTO B values(3,'ABC'),(5,'BCD'),(1,'DEF'),(6,'EFG');

INSERT INTO c values(8,'XYZ'),(1,'PQR'),(2,'STU'),(3,'MNO');

SELECT \* FROM a;

select \* from b;

select \* from c;

SELECT \* FROM a INNER JOIN b ON a.id = b.id INNER JOIN

c on c.id = b.id INNER JOIN d on d.id = b.id;

SELECT \* FROM medicine;

SELECT \* FROM doctor;

SELECT \* FROM car;

SELECT \* FROM sportsman;

SELECT m.id,m.name,d.id,d.name,c.id,c.brand, s.id, s.position FROM medicine m INNER JOIN

doctor d ON m.id = d.id INNER JOIN car c on c.id = m.id

INNER JOIN sportsman s on s.id = c.id;

LEFT JOIN: Will Return all records from Left table and Matching records from Right table.

SELECT \* FROM a LEFT JOIN b ON a.id = b.id;

SELECT m.id,m.name,d.id,d.name,c.id,c.brand, s.id, s.position

FROM medicine m LEFT JOIN

doctor d ON m.id = d.id LEFT JOIN car c on c.id = m.id

LEFT JOIN sportsman s on s.id = c.id;

RIGHT JOIN: Will Return all records from Right table and Matching records from left table.

SELECT \* FROM a RIGHT JOIN b ON a.id = b.id;

CROSS JOIN: Cartesian Product.

SELECT \* FROM a,b;

Full Outer join

LEFT join

Right join

SET OPERATORS:

UNION:

1 1

2 5

3 4

4 5

SELECT \* FROM a

union

select \* from b;

union all:

SELECT id FROM a

union all

select id from b;