**DML joins,view,subquery**

Create database ass4;

Use ass4;

create table student(roll\_no int primary key,name char(20),address char(40),phone int(10),age int(2));

desc student;

insert into student values(1,'Harsh','Pune', '1111111111',18);

insert into student values(2,'Pratik','Nashik', '222222222',19);

insert into student values(3,'Rishabh','Mumbai', '333333333',20);

insert into student values(4,'Deep','Jalgaon', '444444444',18);

insert into student values(5,'Virat','Solapur', '555555555',19);

insert into student values(6,'Rohan','Satara', '666666666',18);

select\*from student;

create table studentCourse(cid int(1),roll\_no int,foreign key(roll\_no) references student(roll\_no));

desc studentCourse;

insert into studentCourse values(1,1);

insert into studentCourse values(2,2);

insert into studentCourse values(2,3);

insert into studentCourse values(3,4);

insert into studentCourse values(1,5);

insert into studentCourse values(5,5);

insert into studentCourse values(5,6);

select\*from studentCourse;

select\*from student inner join studentCourse on student.roll\_no=studentCourse.roll\_no;

select\*from student left join studentCourse on student.roll\_no=studentCourse.roll\_no;

insert into student values(7,'Rohit','Satara', '666666666',18);

select\*from student left join studentCourse on student.roll\_no=studentCourse.roll\_no;

select\*from student right join studentCourse on student.roll\_no=studentCourse.roll\_no;

select\*from student join studentCourse;

select a.name,b.roll\_no from student a,student b where a.age<b.age;

select a.name,b.roll\_no from student a,student b where a.age<b.age order by a.name;

select\*from student right join studentCourse on student.roll\_no=studentCourse.roll\_no;

create view newView as select student.name,student.roll\_no,studentCourse.cid from student left join studentCourse on student.roll\_no=studentCourse.roll\_no;

select\*from newView;

select\*from student where roll\_no in(select roll\_no from studentCourse);

select\*from student where roll\_no in(select roll\_no from studentCourse where student.age<20);