use assignment3;

#######################################Assignment 4###############################

select \* from Department;

select \* from Employee;

##############################################JOINS###############################

select D.dept\_name,E.emp\_name from Department D join Employee E on D.dept\_id=E.Dept\_id;

select D.dept\_name,E.emp\_name from Department D right join Employee E on D.dept\_id=E.Dept\_id;

select D.dept\_name,E.emp\_name from Department D left join Employee E on D.dept\_id=E.Dept\_id;

select D.dept\_name,E.emp\_name from Department D inner join Employee E on D.dept\_id=E.Dept\_id;

select D.dept\_name,E.emp\_name from Department D cross join Employee E on D.dept\_id=E.Dept\_id;

select D.dept\_name,E.emp\_name from Department D right outer join Employee E on D.dept\_id=E.Dept\_id;

select \* from Department D join Employee E on D.dept\_id=e.dept\_id;

select D.dept\_id, sum(E.salary) as sum from Department D join employee E on D.dept\_id=E.dept\_id group by D.dept\_id;

select e.emp\_name,e.manager,d.dept\_name from employee e join department d on d.dept\_id=e.manager;

select e.emp\_name,d.dept\_name from employee e join department d on d.dept\_id = e.emp\_id;

######################################UNION##################################

create table emp1 (emp\_id int primary key, emp\_name varchar(10));

insert into emp1 values(1,'A');

insert into emp1 values(2,'B');

insert into emp1 values(3,'C');

create table emp2 (emp\_id int primary key, emp\_name varchar(10));

insert into emp2 values(1,'A');

insert into emp2 values(2,'B');

insert into emp2 values(4,'D');

insert into emp2 values(5,'E');

select \* from emp1 union select \* from emp2;

select \* from emp1 union ALL select \* from emp2;

###################################################SUBQUERY######################

select \* from employee;

select emp\_name from Employee where salary=(select salary from Employee where emp\_name='Arun') and emp\_name not like 'ARUN';

select emp\_name from Employee where dept\_id=(select dept\_id from Employee where emp\_name='jack');

select emp\_name from Employee where salary=(select salary from Employee order by salary limit 1);

select \* from employee;

UPDATE Employee SET SALARY = 15000 WHERE emp\_id = 4 AND salary < 9000;