create database Srujan

create table Employee

(EmpID int NOT NULL PRIMARY KEY,

Ename varchar(20),

Salary int,

deptid int

FOREIGN KEY(deptid) REFERENCES dept(deptid))

insert into Employee values (101, 'Srujan', 7000, 201)

insert into Employee values (102, 'Karthik', 4000, 202)

insert into Employee values (103, 'Raj', 5000, 203)

insert into Employee values (104, 'Neha', 6000, 203)

insert into Employee values (105, 'jack', 5000, 201)

insert into Employee values (106, 'robert', 5425, 202)

create table Dept

(deptid int NOT NULL PRIMARY KEY,

deptname varchar(20))

insert into dept values (201, 'IT')

insert into dept values (202, 'Marketing')

insert into dept values (203, 'Sales')

select \* from Employee

select \* from dept

select e.EmpID, e.Ename, d.deptname

from Employee e

INNER JOIN dept d

ON e.deptid=d.deptid

select e.EmpID, e.Ename, d.deptname

from Employee e

LEFT OUTER JOIN dept d

ON e.deptid=d.deptid

select e.EmpID, e.Ename, d.deptname

from Employee e

RIGHT OUTER JOIN dept d

ON e.deptid=d.deptid

select Max(salary) as Maxsal, sum(salary) as sumsal, avg(salary) as avgsal from Employee

select \* from Employee

select count(deptid) AS count

from Employee

group by deptid

select d.deptname, count(e.deptid) AS count

from Employee e

left join dept d

on e.deptid=d.deptid

group by d.deptname

select d.deptname, count(e.deptid) AS count

from Employee e

left join dept d

on e.deptid=d.deptid

group by d.deptname

having count(e.deptid)>1

select \* from Employee

where ename IN ( 'srujan','jack')

ALTER TABLE Employee

ADD PRIMARY KEY (EmpID)

select \* from Employee

delete from Employee where EmpID = 105

ALTER TABLE Employee

alter column EmpID int NOT NULL

select \* from Employee

select \* from Dept

;WITH T AS

(

SELECT \*,

DENSE\_RANK() OVER (ORDER BY Salary Desc) AS Dense

FROM Employee

)

SELECT EmpID, Ename, Salary

FROM T

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ALTER TABLE Employee

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