create database employee\_Samrith;

use employee\_Samrith;

create table Department(

Dept\_no int,

D\_name varchar(20),

Dloc varchar(10),

primary key (dept\_no));

select \* from Department;

create table project(

p\_no int,

ploc varchar(20),

p\_name varchar(20),

primary key (p\_no));

select \*from project;

create table employees(

empno int,

ename varchar(20),

Mgr\_no int,

Hiredate date,

Sal int,

Dept\_no int,

primary key (empno),

foreign key (Dept\_no) references Department (Dept\_no));

select \* from employees;

create table incentives(

empno int,

incentive\_Date date,

incentive\_Amount int,

primary key (empno,incentive\_Date),

foreign key (empno) references employee(empno));

select \* from incentives;

create table assignedto(

empno int,

p\_no int,

job\_role varchar(20),

primary key(empno,p\_no),

foreign key(empno) references employee(empno),

foreign key(p\_no) references project(p\_no));

select \* from assignedto;

insert into Department values(1,'Finance','Bangalore');

insert into Department values(2,'WebDesign','Chennai');

insert into Department values(3,'AppDevelopment','Bangalore');

insert into Department values(4,'CustomerService','Mumbai');

insert into Department values(6,'Marketing','Mysuru');

select \* from Department;

insert into project values(01,'Bangalore','Bridgebuild\_project');

insert into project values(02,'chennai','AI\_Project');

insert into project values(03,'Mumbai','MultiServer\_project');

insert into project values(04,'delhi','MultiNetwork\_project');

insert into project values(05,'Bangalore','cybercrimecontrol');

select \* from project;

insert into employees values(111,'Samrith',113,'2022-10-09',56000,1);

insert into employees values(112,'Mrudhula',111,'2022-10-09',36000,1);

insert into employees values(113,'Ajith',111,'2022-10-09',67000,3);

insert into employees values(114,'Sanjay',118,'2022-10-09',70000,4);

insert into employees values(115,'Nikitha',112,'2022-10-09',66000,5);

insert into employees values(116,'Yuvan',117,'2022-01-09',98000,5);

insert into employees values(117,'Selvaraghavan',112,'2022-01-10',60000,5);

insert into employees values(118,'Selvaraghavan',112,'2022-01-11',60000,5);

update employees set ename="Ram" where empno=118;

select \*from employees;

select \* from employees;

insert into assignedto values(111,01,'WebDesign');

insert into assignedto values(112,02,'AppDevelopment');

insert into assignedto values(113,03,'Marketing');

insert into assignedto values(114,04,'CustomerService');

insert into assignedto values(115,05,'Finance');

select \* from assignedto ;

insert into incentives values(111,'2022-10-01',5000);

insert into incentives values(112,'2022-10-02',6000);

insert into incentives values(113,'2022-10-03',7000);

insert into incentives values(114,'2022-10-04',8000);

insert into incentives values(115,'2022-10-05',9000);

insert into incentives values(116,'2019-01-05',9000);

insert into incentives values(117,'2019-01-09',12000);

insert into incentives values(118,'2019-01-10',8000);

select \* from incentives ;

#q3

select m.ename

from employees e, employees m

where m.empno = e.mgr\_no

group by m.empno

having count(\*) = (select max(mycount) from (select count(\*) mycount from employees group by mgr\_no) alias);

update employees set sal=100000 where empno=111;

select \*from employees;

#q4

select distinct m.ename

from employees m, employees em

where m.empno = em.mgr\_no and m.sal > (select avg(e.sal) from employees e where e.mgr\_no = m.empno group by e.mgr\_no);

#q6

select e.empno,e.ename,e.dept\_no

from employees e,incentives i

where e.empno=i.empno and incentive\_Date between '2019-01-01' and '2019-01-31' and (select count(\*) from incentives j where i.incentive\_Amount<=j.incentive\_Amount and j.incentive\_Date between '2019-01-01' and '2019-01-31') group by incentive\_Amount ;

SELECT e.ename , i. empno,max(i.incentive\_Amount),i.incentive\_date

FROM employees e,incentives i

WHERE e.empno=i.empno and incentive\_date between '2019-01-01' and '2019-01-31' and i.incentive\_Amount<(SELECT max(incentive\_Amount) FROM incentives

WHERE incentive\_date between '2019-01-01' and '2019-01-31');

#q7

select e.ename from employees e,employees m where e.Dept\_no=m.Dept\_no and e.mgr\_no=m.empno;

#q5

select ename from employees e where

e.mgr\_no in (select f.mgr\_no from employees f

where f.mgr\_no in (select g.empno from employees g

where g.mgr\_no is null ))



