—-----------------------------------S. KIRTHAN KUMAR (1BM21CS176)-----------------------------------

create database employee;

use employee;

create table dept(

deptNo int,

dName varchar(20),

dLoc varchar(10),

primary key (deptNo)

);

select \* from dept;

create table project(

pNo int,

pLoc varchar(20),

pName varchar(20),

primary key (pNo)

);

select \* from project;

create table employees(

empNo int,

eName varchar(20),

mgrNo int,

hireDate date,

sal int,

deptNo int,

primary key (empNo),

foreign key (deptNo) references dept (deptNo)

);

select \* from employee;

create table incentives(

empNo int,

incentiveDate date,

incentiveAmount int,

primary key (empNo, incentiveDate),

foreign key (empNo) references employee(empNo)

);

select \* from incentives;

create table assignedTo(

empNo int,

pNo int,

jobRole varchar(20),

primary key(empNo,pNo),

foreign key(empNo) references employee(empNo),

foreign key(pNo) references project(pNo)

);

select \* from assignedTo;

insert into dept values(1,'Management','Bangalore');

insert into dept values(2,'Marketing','Vizag');

insert into dept values(3,'Web Development','Mysore');

insert into dept values(4,'web Design','Chennai');

insert into dept values(5,'Coding','Delhi');

insert into project values(1,'Bangalore', 'proman');

insert into project values(2,'Vizag', 'promart');

insert into project values(3,'Mysore', 'prosite');

insert into project values(4,'Chennai', 'prodesign');

insert into project values(5,'Delhi', 'code.io');

insert into employees values(101,'Avinash',106,'2021-10-09',56000,1);

insert into employees values(102,'Dinesh',106,'2021-06-06',76000,1);

insert into employees values(103,'Mridul',106,'2021-12-05',12000,2);

insert into employees values(104,'Manish',101,'2021-08-10',54000,2);

insert into employees values(105,'Karthik',102,'2021-09-20',65000,3);

insert into employees values(106,'Kirthan',102,'2021-11-21',98000,4);

insert into employees values(107,'Kumar',107,'2023-01-26',98000,4);

insert into employees values(108,'Taimur',105,'2023-01-26',67000,4);

insert into employees values(109,'Ram',107,'2021-11-24',670040,4);

update employees set mgrNo = null where empNo = 106;

select \* from employees;

insert into incentives values(101,'2021-10-09',6000);

insert into incentives values(102,'2021-06-06',6000);

insert into incentives values(103,'2021-12-05',2000);

insert into incentives values(104,'2021-08-10',4000);

insert into incentives values(105,'2021-09-20',5000);

insert into incentives values(106,'2019-01-05',2000);

insert into incentives values(107,'2019-01-10',4000);

insert into incentives values(108,'2019-01-20',8000);

insert into assignedTo values(101, 1, 'Management');

insert into assignedTo values(102, 2, 'Marketing');

insert into assignedTo values(103, 3, 'Web development');

insert into assignedTo values(104, 4, 'Web design');

insert into assignedTo values(105, 5, 'Coding');

select a.empNo from assignedTo a, project p

where a.pNo = p.pNo and p.pLoc in ('Hyderabad','Mysore','Bangalore');

select e.empNo from employee e

where e.empNo not in (select empNo from incentives);

select e.eName, e.empNo, d.dName, a.jobRole, d.dLoc, p.pLoc from dept d, employee e, assignedTo a, project p

where e.empNo = a.empNo and a.pNo = p.pNo and e.deptNo = d.deptNo and d.dLoc = p.pLoc;

#query 3

select m.eName

from employees e, employees m

where m.empNo = e.mgrNo

group by m.empNo

having count(\*) = (select max(mycount)

from (select count(\*) mycount from employees group by mgrNo) alias);

#query 4

select distinct m.eName

from employees m, employees em

where m.empNo = em.mgrNo and m.sal > (select avg(e.sal)

from employees e where e.mgrNo = m.empNo group by e.mgrNo);

#query 5

select eName from employees e where

e.mgrNo in (select f.mgrNo from employees f

where f.mgrNo in (select g.empno from employees g

where g.mgrNo is null ));

#query 6

select i.empNo,max(i.incentiveAmount) as max\_amount,i.incentiveDate

from employees e, incentives i

where e.empNo = i.empNo and incentiveDate between '2019-01-01' and '2019-01-31'

and i.incentiveAmount < (select max(incentiveAmount) from incentives

where incentiveDate between '2019-01-01' and '2019-01-31');

#query 7

select e.eName from employees e, employees m where e.deptNo = m.deptNo and e.mgrNo = m.empNo;









