create database mansa\_emp;

use mansa\_emp;

create table dept(

d\_no int,

d\_name varchar (10),

d\_loc varchar (30),

primary key(d\_no)

);

create table project(

p\_no int,

p\_loc varchar(20),

p\_name varchar(15),

PRIMARY KEY(p\_no)

);

create table employee(

emp\_no int,

emp\_name varchar(10),

mgr\_no int,

hiredate date,

sal real,

d\_no int,

primary key(emp\_no),

foreign key(d\_no) references dept(d\_no)

on update cascade on delete cascade

);

create table incentives(

emp\_no int,

incentive\_date date,

incentive\_amt real,

primary key(incentive\_date,emp\_no),

foreign key(emp\_no) references employee(emp\_no)

on update cascade on delete cascade

);

create table assigned(

emp\_no int,

p\_no int,

job\_role varchar(10),

foreign key(emp\_no) references employee(emp\_no)

on update cascade on delete cascade,

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

on update cascade on delete cascade

);

select \*from employee;

select \*from assigned;

select \*from incentives;

select \*from project;

select \*from dept;

insert into dept values(100,'IT','bangalore');

insert into dept values(200,'Marketing','chennai');

insert into dept values(300,'HR','mumbai');

insert into dept values(400,'finance','delhi');

insert into dept values(500,'logistics','hyderabad');

insert into dept values(600,'accounts','pune');

insert into dept values(700,'design','kolkata');

insert into project values(10,'bangalore','risco');

insert into project values(20,'chennai','cisco');

insert into project values(30,'mumbai','nisnco');

insert into project values(40,'delhi','mismco');

insert into project values(50,'hyderabad','lislco');

insert into project values(60,'pune','sin');

insert into employee values(01,'tony',11,'2011-01-11',10000,500);

insert into employee values(02,'tina',22,'2012-02-12',15000,100);

insert into employee values(03,'ria',33,'2013-03-23',20000,300);

insert into employee values(04,'aryan',44,'2014-04-04',25000,200);

insert into employee values(05,'suzy',55,'2015-05-25',30000,500);

insert into employee values(06,'jack',66,'2016-06-26',35000,500);

insert into employee values(07,'diya',77,'2017-07-27',40000,400);

insert into employee values(08,'john',88,'2018-08-28',45000,100);

insert into employee values(09,'ram',99,'2019-09-29',50000,200);

insert into employee values(10,'rahul',111,'2020-10-11',55000,300);

insert into incentives values(01,'2021-05-11',1000);

insert into incentives values(03,'2022-04-20',1500);

insert into incentives values(05,'2021-09-10',2000);

insert into incentives values(07,'2022-06-21',2500);

insert into incentives values(09,'2021-04-17',3000);

insert into incentives values(10,'2022-10-19',3500);

insert into assigned values(01,20,'architect');

insert into assigned values(02,10,'peon');

insert into assigned values(03,30,'supervisor');

insert into assigned values(04,60,'assistant');

insert into assigned values(05,50,'mason');

insert into assigned values(06,50,'manager');

insert into assigned values(07,40,'medic');

insert into assigned values(08,60,'mechanic');

insert into assigned values(09,30,'engineer');

insert into assigned values(10,30,'maid');

select \*from employee;

select \*from assigned;

select \*from incentives;

select \*from project;

select \*from dept;

select emp\_no from assigned,project where assigned.p\_no=project.p\_no and project.p\_loc in('mysore','bangalore','hyderabad');

select emp\_no from employee where emp\_no not in(select incentives.emp\_no

from employee cross join incentives

on employee.emp\_no=incentives.emp\_no);

select e.emp\_name,e.emp\_no,d.d\_name,a.job\_role,d.d\_loc,p.p\_loc

from employee e, dept d, assigned a, project p

where d.d\_no=e.d\_no

and e.emp\_no=a.emp\_no

and a.p\_no=p.p\_no

and p.p\_loc=d.d\_loc;



