create database 1bm21cs107\_emp\_id;

use 1bm21cs107\_emp\_id;

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

);

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

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

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

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

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

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

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

select \* from dept;

insert into project values(10,'mysore','p1');

insert into project values(20,'patna','p2');

insert into project values(30,'delhi','p3');

insert into project values(40,'panaji','p4');

insert into project values(50,'bangalore','p5');

insert into project values(60,'ahmedebad','p6');

select \* from project;

insert into employee values(01,'lionel',11,'2001-01-01',10000,500);

insert into employee values(02,'mesut',22,'2002-02-02',15000,100);

insert into employee values(03,'kevin',33,'2003-03-03',20000,300);

insert into employee values(04,'mo',44,'2004-04-04',25000,200);

insert into employee values(05,'erling',55,'2005-05-05',30000,500);

insert into employee values(06,'bernando',66,'2006-06-06',35000,500);

insert into employee values(07,'bruno',77,'2007-07-07',40000,400);

insert into employee values(08,'lissandro',88,'2008-08-08',45000,100);

insert into employee values(09,'fred',99,'2009-09-09',50000,200);

insert into employee values(10,'anthony',111,'2010-10-10',55000,300);

select \* from employee;

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

insert into incentives values(03,'2022-02-02',1500);

insert into incentives values(05,'2021-03-03',2000);

insert into incentives values(07,'2022-04-04',2500);

insert into incentives values(09,'2021-05-05',3000);

insert into incentives values(10,'2022-05-05',3500);

select \* from incentives;

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 assigned;

select emp\_no from assigned,project where assigned.p\_no=project.p\_no and project.p\_loc

in('mysore','bangalore','hydrebad');

select emp\_no

from employee

where emp\_no not in(select emp\_no

from incentives);

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

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

where e.emp\_no=a.emp\_no

and e.d\_no=d.d\_no

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