create database Employee\_details;

use Employee\_details;

create table Project( Pno int primary key , Ploc varchar(20) , Pname varchar(20));

create table Dept( Dept\_no int primary key , Dname varchar(20) , Dloc varchar(20));

create table Employee( empno int primary key , ename varchar(20) ,mgr\_no int , hiredate date , sal int , Dept\_no int , foreign key(Dept\_no) references Dept(Dept\_no));

create table Assignedto( empno int , Pno int , job\_role varchar(20) , foreign key(empno) references Employee(empno) , foreign key(Pno) references Project(Pno));

create table incentives\_( empno int , incentive\_date date primary key , incentive\_amt decimal(10,2) , foreign key(empno) references Employee(empno));

insert into Project(Pno ,Ploc ,Pname) values( 1 ,'Bengaluru' , 'Fevver'),(2,'Bengaluru','ABC'),(3,'Mysore', 'xyz') , (4 , 'Hyderabad','KLm'),(5 ,'Hyderabad' ,'Omk');

insert into Dept(Dept\_no, Dname , Dloc) values(10, 'Info system','Bengaluru') , (20 ,'Tech system','Mysore'),(30,'AI','Bengaluru') ,(40 ,'Cybersecurity','Hyderabad'),(50,'Blockchain','Bengaluru');

insert into Employee(empno, ename , mgr\_no,hiredate,sal,Dept\_no) values(101 , 'Raju' , 101 , '2012-03-04',100000,10),(102,'Ravi',101,'2011-03-09',90000,10),(103,'XINJ',101,'2019-06-09',60000,20),(104,'Soma',101,'2012-03-04',70000,30),(105,'Krishna',101,'2013-09-10',50000,40);

insert into incentives\_(empno ,incentive\_date,incentive\_amt) values(101 , '2019-01-01',20000.50),(102,'2019-02-01',3000.50),(103,'2019-03-01','3000.40'),(104,'2019-04-01',4000.40),(105,'2019-05-01',500.50);

ALTER TABLE Assignedto MODIFY job\_role VARCHAR(50);

insert into Assignedto(empno ,Pno ,job\_role)values (101 , 1 , 'Managaer'),(102,2,'Engineer'),(103,3,'developer'),(104,4,'tester'),(105,5,'full stack developer ');

Queries

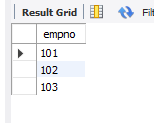
1.

select distinct a.empno

from Assignedto a, Project p , employee e

where p.pno = a.pno and e.empno = a.empno and p.Ploc = 'Bengaluru';

output:



2.

select e.empno

from employee e

where e.empno not in ( select a.empno from assignedto a where a.empno = e.empno);



3.

select distinct e.empno, e.ename ,a.job\_role,d.Dept\_no,p.Ploc

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

where e.Dept\_no=d.Dept\_no and e.empno = a.empno and p.Pno = a.Pno and p.Ploc=d.Dloc;

