create database employee;

use employee;

create table Dept(

depno int primary key,

dname varchar(50),

dloc varchar(50)

);

create table Employee(

empno int primary key,

ename varchar (50),

mgrno int,

hiredate date,

salary int,

deptno int,

foreign key (deptno) references Dept (depno)

);

create table Project(

pno int primary key,

ploc varchar(50),

pname varchar(50)

);

create table AssignedTo (

emp\_no int,

pno int,

job\_role varchar(50),

primary key (emp\_no,pno),

foreign key (emp\_no) references Employee(empno),

foreign key (pno) references Project(pno)

);

create table Incentives(

empno int,

incentive\_date date,

incentive\_amount int,

primary key (empno,incentive\_date),

foreign key (empno) references Employee (empno)

);

insert into Dept

values

(1, 'HR', 'New York'),

(2, 'Finance', 'Chicago'),

(3, 'IT', 'Bengaluru'),

(4, 'Sales', 'Hyderabad'),

(5, 'Marketing', 'Mysuru'),

(6, 'Support', 'Los Angeles');

insert into Employee

values

(1001, 'Alice', 1003, '2020-05-01', 70000, 1),

(1002, 'Bob', 1001, '2019-07-15', 80000, 2),

(1003, 'Charlie', 1001, '2021-08-20', 75000, 3),

(1004, 'David', 1002, '2018-10-12', 90000, 4),

(1005, 'Eve', 1003, '2022-01-25', 85000, 5),

(1006, 'Frank', 1004, '2023-03-05', 60000, 6),

(1007, 'Grace', 1002, '2017-09-25', 78000, 3);

insert into Project

values

(2001, 'Delhi', 'A'),

(2002, 'Mumbai', 'B'),

(2003, 'Bengaluru', 'C'),

(2004, 'Hyderabad', 'D'),

(2005, 'Mysuru', 'E'),

(2006, 'Kathmandu', 'F');

insert into AssignedTo

values

(1001, 2001, 'Manager'),

(1002, 2002, 'Analyst'),

(1003, 2003, 'Developer'),

(1004, 2004, 'Sales Rep'),

(1005, 2005, 'Marketer'),

(1006, 2002, 'Assistant'),

(1007, 2003, 'Developer');

insert into Incentives

values

(1001, '2023-01-15', 500),

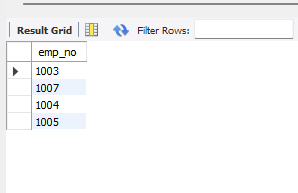
(1002, '2023-02-20', 300),

(1004, '2023-04-18', 350),

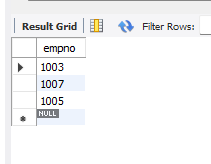
(1006, '2023-06-30', 600);

select a.emp\_no from AssignedTo a, Project p

where (a.pno = p.pno) and (p.ploc='Bengaluru'or p.ploc='Hyderabad'or p.ploc='Mysuru');

\

SELECT empno from Employee

WHERE empno not in (select empno from Incentives);

select e.ename,e.empno,d.dname,a.job\_role,p.ploc

from Employee e, Dept d, AssignedTo a, Project p

where (p.ploc = d.dloc) and

(e.deptno = d.depno and e.empno = a.emp\_no and a.pno = p.pno);

