create database Employee;

use employee;

create table dept(

deptno int primary key,

dname varchar(30),

dloc varchar(30));

create table employee(

empno int primary key,

ename varchar(30),

mgr\_no int,

hiredate date,

sal decimal(10,2),

deptno int,

foreign key (deptno) references dept(deptno));

create table project(

pno int primary key,

ploc varchar(30),

pname varchar(30));

create table assigned\_to (

empno int,

pno int,

job\_role varchar (30),

primary key (empno, pno));

create table incentives(

empno int,

incentive\_date date,

incentive\_amount decimal(10,2),

primary key(empno, incentive\_date),

foreign key (empno) references employee(empno));

insert into dept values(10,'HR', 'Bengaluru');

insert into dept values(20,'IT','Hyderabad');

insert into dept values(30,'Finance','Mysuru');

insert into dept values(40,'Sales','Bengaluru');

insert into dept values(50,'Admin','Hyderabad');

insert into assigned\_to values (1001,501,'Manager');

insert into assigned\_to values (1002,502,'Developer');

insert into assigned\_to values (1003,503, 'Analyst');

insert into assigned\_to values (1004,504,'Tester');

insert into assigned\_to values (1005,505,'Designer');

insert into assigned\_to values (1006,502,'Support');

insert into employee values(1001, 'Ravi', NULL, '2020-01-10', 52000, 10);

insert into employee values(1002, 'Sma', 1001, '2021-03-15', 60000, 20);

insert into employee values(1003, 'Kiran', 1001, '2019-07-20', 45000, 30);

insert into employee values(1004, 'Divya', 1002, '2022-02-10', 55000, 40);

insert into employee values(1005, 'Manoj', 1001, '2018-06-18', 70000, 20);

insert into employee values(1006, 'Asha', 1003, '2023-01-25', 40000, 30);

insert into project values(501,'Bengaluru','ERP System');

insert into project values(502,'Hyderabad','Web App');

insert into project values(503,'Mysuru','Mobile App');

insert into project values(504,'Bengaluru','AI Tool');

insert into project values(505,'Hyderabad','Cloud Service');

insert into incentives values(1001,'2024-03-10',2000);

insert into incentives values(1002,'2024-04-12',2500);

insert into incentives values(1003,'2024-01-30',1800);

alter table assigned\_to

add foreign key (empno) references employee(empno),

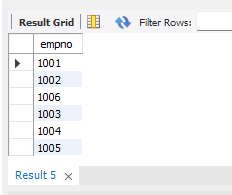
add foreign key(pno) references project(pno);

SELECT DISTINCT A.empno

FROM assigned\_to A

JOIN project P on A.pno=P.pno

WHERE p.ploc IN('Bengaluru','Hyderabad','Mysuru');

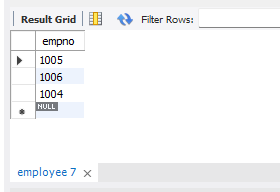


SELECT e.empno

FROM employee e

WHERE e.empno NOT IN (SELECT empno

FROM incentives);



SELECT e.ename,

e.empno,

a.job\_role,

d.dloc AS DEPT\_LOCATION,

p.ploc AS PROJECT\_LOCATION

FROM employee AS e

JOIN dept d ON e.deptno = d.deptno

JOIN assigned\_to a ON e.empno = a.empno

JOIN project p ON a.pno = p.pno

WHERE d.dloc = p.ploc;

