```sql
use employee_databas;

show databases;

show tables;


create table dept(

deptno int,

dname varchar(20),

dloc varchar(10),

primary key (deptno)

);


create table project(

pno int,

ploc varchar(20),

pname varchar(20),

primary key (pno)

);


create table incentives(

empno int,

incentive_date date,

incentive_amount int,

primary key (empno,incentive_date)

);


create table employee(

empno int,

ename varchar(20),

mgr_no int,
```

```sql
hiredate date,

sal int,

deptno int,

primary key (empno),

foreign key (deptno) references dept (deptno)

on delete cascade on update cascade

);


create table assigned_to(

empno int,

pno int,

job_role varchar(20),

primary key(empno,pno),

foreign key(empno) references employee(empno),

foreign key(pno) references project(pno)

on delete cascade on update cascade

);


insert into dept

values(1,'Logistics','Bengaluru'),

(2,'Statistics','Mysuru'),

(3,'Marketing','Hyderabad'),

(4,'Design','Bengaluru'),

(5,'Management','Mysuru'),

(6,'Finance','Bombay');


insert into project

values(01,'Hyderabad','Project_Zero'),

(02,'Mysuru','Project_Alpha'),

(03,'Hyderabad','Project_Bozo'),

(04,'Bengaluru','Project_Waaris'),
```

```
(05,'Bombay','Project_Onslaught'),

(06,'Mysuru','Project_DivideBY');


insert into incentives

values(101,'2022-10-01',5000),

(106,'2022-11-02',7000),

(102,'2022-05-03',5000),

(105,'2022-07-05',5000),

(110,'2022-08-07',9000);


insert into employee

values(101,'Avinash',2310,'2021-10-09',56000,1),

(102,'Dinesh',2317,'2021-03-07',96000,1),

(103,'Balaji',2510,'2021-10-08',66000,1),

(104,'Sovesh',9310,'2021-02-09',42000,2),

(105,'Sordelu',3310,'2021-03-04',76000,2),

(106,'Hasbulla',5561,'2022-01-05',47900,3),

(107,'Tacitus Kilgore',7810,'2021-11-19',420000,4),

(108,'Govardhan Prasad',4231,'2021-02-13',327100,5),

(109,'Champika',1324,'2021-07-14',87600,5),

(110,'Robin',6780,'2021-12-31',123000,5);


insert into assigned_to

values(101,01,'Developer'),

(103,04,'Tester'),

(102,05,'Manager'),

(105,03,'Supervisor'),

(107,02,'Team Leader'),

(106,06,'Executive Manager');
```

select * from dept;

deptno	dname	dloc
1	Logistics	Bengaluru
2	Statistics	Mysuru
3	Marketing	Hyderabad
4	Design	Bengaluru
5	Management	Mysuru
6	Finance	Bombay
NULL	NULL	NULL

select * from project;

pno	ploc	pname
1	Hyderabad	Project_Zero
2	Mysuru	Project_Alpha
3	Hyderabad	Project_Bozo
4	Bengaluru	Project_Waaris
5	Bombay	Project_Onslaught
6	Mysuru	Project_DivideBY
NULL	NULL	NULL

select * from incentives;

empno	incentive_date	incentive_amount
101	2022-10-01	5000
102	2022-05-03	5000
105	2022-07-05	5000
106	2022-11-02	7000
110	2022-08-07	9000
NULL	NULL	NULL

select * from employee;

empno	ename	mgr_no	hiredate	sal	deptno
101	Avinash	2310	2021-10-09	56000	1
102	Dinesh	2317	2021-03-07	96000	1
103	Balaji	2510	2021-10-08	66000	1
104	Sovesh	9310	2021-02-09	42000	2
105	Sordelu	3310	2021-03-04	76000	2
106	Hasbulla	5561	2022-01-05	47900	3
107	Tacitus Kilgore	7810	2021-11-19	420000	4
108	Govardhan Prasad	4231	2021-02-13	327100	5
109	Champika	1324	2021-07-14	87600	5
110	Robin	6780	2021-12-31	123000	5
NULL	NULL	NULL	NULL	NULL	NULL

select * from assigned_to;

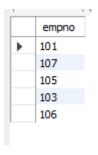| empno	pno	job_role
101	1	Developer
102	5	Manager
103	4	Tester
105	3	Supervisor
106	6	Executive Manager
107	2	Team Leader
NULL	NULL	NULL

Q3) 3. Retrieve the employee numbers of all employees who work on

project located in Bengaluru, Hyderabad, or Mysuru

Ans:

select a.empno

from assigned_to a, project p

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

empno
101
107
105
103
106

Q4) Get Employee ID's of those employees who didn't receive incentives

Ans:

select e.empno

from employee e

where e.empno not in (select empno

from incentives);

empno
▶ 103
104
107
108
109
＊ NULL

Q5) 5. Write a SQL query to find the employees name, number, dept,

job_role, department location and project location who are working for

a project location same as his/her department location.

Ans:

select e.ename, e.empno, d.dname, a.job_role, d.dloc, p.ploc

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

where e.empno = a.empno and a.pno = p.pno and e.deptno = d.deptno and d.dloc = p.ploc;

ename	empno	dname	job_role	dloc	ploc
▶ Balaji	103	Logistics	Tester	Bengaluru	Bengaluru