

**EMPLOYEE DATABASE**

**DBMS LAB 4**

**TEJAS BHARADWAJ**

```
create database emp;

use emp;

create table employee(empno int primary key, ename varchar(50), mgr_no int, hiredate
date, sal decimal, deptno int);

create table dept(deptno int primary key, dname varchar(50), dloc varchar(50));

create table incentives(empno int, incentive_date date, incentive_amt decimal);

create table project(pno int primary key, ploc varchar(50), pname varchar(50));

create table assigned_to(empno int, pno int, job_role varchar(50));

alter table employee
add foreign key(deptno) references dept(deptno);

alter table incentives
add foreign key(empno) references employee(empno);

alter table assigned_to
add foreign key(empno) references employee(empno),
add foreign key(pno) references project(pno);

desc employee;

desc dept;

desc incentives;

desc project;

desc assigned_to;


insert into employee
values
(1, "Ramesh", 100, "2012-12-02", 50000, 1),
(2, "John", 101, "2008-03-12", 70000, 2),
(3, "William", 102, "2002-07-31", 100000, 3),
(4, "Askeladd", 103, "2022-12-12", 90000, 4),
(5, "Jyothi", 104, "2015-01-29", 40000, 5),
(6, "Raju", 105, "2008-09-13", 25000, 6);
```

insert into dept

values

(1,"CSE", "Bangalore"),  
(2,"ECE", "Delhi"),  
(3,"MECH", "Mumbai"),  
(4,"SCIENCE", "Hyderabad"),  
(5,"ARTS", "Punjab"),  
(6,"COMMERCE", "Kashmir");

insert into incentives

values

(1,"2014-03-31", 15000),  
(2,"2010-05-21", 15000),  
(3,"2004-12-11", 15000),  
(4,"2024-03-22", 15000),  
(5,"2016-11-19", 15000),  
(6,"2014-08-16", 15000);

insert into project

values

(1,"Bangalore", "Alpha"),  
(2,"Delhi", "Beta"),  
(3,"Mumbai", "Charile"),  
(4,"Hyderabad", "Delta"),  
(5,"Punjab", "Epsilon"),  
(6,"Kashmir", "Gamma");

```
insert into assigned_to
values
(1,1,"Project Manager"),
(2,2,"Analyst"),
(3,3,"HR executive"),
(4,4,"Sales executive"),
(5,5,"Support engineer"),
(6,6,"Developer");
```

# QUERIES

-- Retrieve the employee numbers of all employees who work on project located in Bengaluru,Hyderabad, or Delhi

```
select e.empno
from employee e, project p, assigned_to a
where e.empno=a.empno and p.pno=a.pno and p.ploc in
('Bangalore','Hyderabad','Delhi');
```

	empno
▶	1
	2
	4

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

```
select empno
from employee e
where empno not in (select empno from incentives);
```

	empno
*	NULL

-- 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.

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

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

```
where e.empno=a.empno
```

```
and p.pno=a.pno
```

```
and e.deptno=d.deptno
```

```
and p.ploc=d.dloc;
```

ename	empno	dname	job_role	dloc	ploc
Ramesh	1	CSE	Project Manager	Bangalore	Bangalore
John	2	ECE	Analyst	Delhi	Delhi
William	3	MECH	HR executive	Mumbai	Mumbai
Askeladd	4	SCIENCE	Sales executive	Hyderabad	Hyderabad
Jyothi	5	ARTS	Support engineer	Punjab	Punjab
Raju	6	COMMERCE	Developer	Kashmir	Kashmir

