

## Week 6

### Employee database

1BM21CS044

```
create database employee;
use employee;

create table dept(
dept_no int,
d_name varchar(10),
d_loc varchar(20),
primary key(dept_no)
);
create table emp(
emp_no int,
e_name varchar(10),
mgr_no int,
hiredate date,
sal real,
dept_no int,
primary key(emp_no),
foreign key (dept_no) references dept(dept_no)
);
create table incentives(
emp_no int,
incentive_date date,
incentive_amount real,
primary key(incentive_date),
foreign key (emp_no) references emp(emp_no)
);
create table project(
p_no int,
p_name varchar(20),
p_loc varchar(20),
primary key(p_no)
);
create table assigned_to(
emp_no int,
p_no int,
job_role varchar(20),
foreign key (emp_no) references emp(emp_no),
foreign key (p_no) references project(p_no)
);
insert into dept values(1,'CSE','Siddapur');
insert into dept values(2,'ISE','Sirsi');
insert into dept values(3,'ECE','Pune');
insert into dept values(4,'EEE','Hubli');
insert into dept values(5,'IM','Mumbai');
insert into dept values(6,'BT','Goa');
select *from dept;
```

```
insert into emp values(1,'Akash',7,'2020-01-12',20000,4);
insert into emp values(2,'Bhuvan',8,'2020-03-14',40000,1);
insert into emp values(3,'Chris',9,'2021-02-25',35000,2);
insert into emp values(4,'Kiran',10,'2021-11-30',60000,6);
insert into emp values(5,'Pavan',11,'2022-3-10',52000,3);
insert into emp values(6,'Santosh',12,'2022-5-24',48000,5);
select *from emp;
```

```
insert into project values(1,'pro1','Bengaluru');
insert into project values(2,'pro2','Pune');
insert into project values(3,'pro3','Hyderabad');
insert into project values(4,'pro4','Kerala');
insert into project values(5,'pro5','Mysuru');
insert into project values(6,'pro6','Sirsi');
select *from project;
```

```
insert into incentives values(1,'2021-01-12',00000);
insert into incentives values(2,'2021-12-12',8000);
insert into incentives values(3,'2022-06-09',6500);
insert into incentives values(4,'2022-11-29',0000);
insert into incentives values(5,'2023-05-30',9800);
insert into incentives values(6,'2023-08-17',7000);
select *from incentives;
```

```
insert into assigned_to values(1,1,'Developer');
insert into assigned_to values(2,2,'Assistant');
insert into assigned_to values(3,3,'Co-assistant');
insert into assigned_to values(4,4,'Organiser');
insert into assigned_to values(5,5,'Manager');
insert into assigned_to values(6,6,'Supervisor');
select *from assigned_to;
```

**List the name of the managers with the maximum employees**

```
select e.e_name from emp e,emp m
where e.emp_no=m.mgr_no
group by e.emp_no
having count(*)=(select
max(mycount)from (select
count(*)mycount
from emp group by mgr_no)a);
```

**Display those managers name whose salary is more than average salary of his employee.**

```
select e.e_name
from emp e
where e.sal>any(select
avg(em.sal)from emp em
where
e.emp_no=em.mgr_no);
```

**Find the name of the second top level managers of each department.**

```
select e_name from emp
where emp_no in(select
distinct mgr_no
from emp
where emp_no in (select
distinct mgr_no
from emp
where emp_no in(select
distinct mgr_no from
emp)));
```

**Find the employee details who got second maximum incentive in January 2019.**

```
select
i.emp_no,i.incentive_date,max(i.incentive_amount) as
second_maximum
from incentives I
where i.incentive_date between '2021-01-01' and '2021-
12-31' and i.incentive_amount!=(select
max(incentive_amount)
from incentives
where incentive_date between '2021-01-01' and '2021-
12-31');
```

**Display those employees who are working in the same department where his manager is working.**

```
select e.e_name,e.dept_no  
from emp e,emp e1  
where e1.emp_no=e.mgr_no and  
e1.dept_no=e.dept_no;
```