

YASH GUPTA

1BM21CS251

WEEK 6

```
show DATABASES;
create database employee1;
use employee1;
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',2000000,1);
```

```
insert into emp values(2,'Bhuvan',8,'2020-03-14',40000,2);
```

```
insert into emp values(3,'Chris',9,'2021-02-25',35000,3);
insert into emp values(4,'Kiran',10,'2021-11-30',60000,4);
insert into emp values(5,'Pavan',11,'2022-3-10',52000,5);
insert into emp values(6,'Santosh',12,'2022-5-24',48000,6);
insert into emp values(7,'shyam',1,'2022-10-24',48000,6);
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','Hubli');
insert into project values(5,'pro5','Mysuru');
insert into project values(6,'pro6','Goa');
select *from project;

insert into incentives values(1,'2021-01-12',15000);
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',11000);
insert into incentives values(5,'2023-05-30',9800);
insert into incentives values(6,'2023-08-17',7000);
insert into incentives values(7,'2021-01-17',5000);
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;
```

QUERIES:-

1. List the name of the managers with the maximum employees

```
create view manager_count (mgr_no, count) as select mgr_no,  
count(mgr_no) from employee group by mgr_no;
```

```
select emp.e_name from emp where emp_no = (select mgr_no from  
manager_count where count = (select max(count) from  
manager_count));
```

	e_name
▶	Akash
	shyam

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

```
select emp.e_name from emp where mgr_no = (select mgr_no from  
manager_count where count = (select max(count) from  
manager_count));
```

	e_name
▶	Akash

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

select ename from employee where empno in((select distinct mgr_no from employee));

	e_name
▶	Akash
	Bhuvan
	Chris
	Kiran
	Pavan
	Santosh

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

****NOTE: USED YEAR 2021 AS PER VALUES AVAILABLE**

select * from emp where emp_no = (select emp_no from incentives i where i.incentive_amount < (select max(incentive_amount) from incentives having incentive_date like "2021-01%") order by incentive_amount desc limit 1);

	emp_no	e_name	mgr_no	hiredate	sal	dept_no
▶	7	shyam	1	2022-10-24	48000	6
*	NULL	NULL	NULL	NULL	NULL	NULL

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

select e_name from emp e1 where dept_no in (select dept_no from emp e2 where e2.mgr_no=e1.emp_no);

	e_name
▶	Akash
	Bhuvan
	Chris
	Kiran
	Pavan