

## Week 5

```
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);
```

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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',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);
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;

```

## To do:

```

select emp_no from assigned_to a
where p_no in (select p_no from project where p_loc in ('Bengaluru','Hyderabad','Mysuru'));

```

```

select emp_no,e_name from emp
where emp_no in (select emp_no from incentives
where incentive_amount=0);

```

```

select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc
from emp e,dept d,assigned_to a,project p
where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a.p_no=p.p_no;

```

```

select e.e_name,max(i.incentive_amount),d.d_name,a.job_role
from emp e,dept d,assigned_to a,incentives i
where e.emp_no in(select emp_no
from incentives
where incentive_amount=
(select max(incentive_amount)
from incentives

```

where incentive\_date between '2022-01-01' and '2022-12-31'))  
and d.dept\_no=e.dept\_no and a.emp\_no=e.emp\_no;

## OUTPUT:

```
80 • select emp_no from assigned_to a
81     where p_no in (select p_no from project where p_loc in ('Bengaluru','Hyderabad','Mysuru'));
82
83 • select emp_no,e_name from emp
84     where emp_no in (select emp_no from incentives
85                       where incentive_amount=0);
86
87 • select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc
88       from emp e,dept d,assigned_to a,project p
89       where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a.p_no=p.p_no;
90
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	emp_no
▶	1
	3
	5

```
83 • select emp_no,e_name from emp
84     where emp_no in (select emp_no from incentives
85                       where incentive_amount=0);
86
87 • select e.e_name, e.emp_no,d.d_name,a.job_role,d.d
88       from emp e,dept d,assigned_to a,project p
89       where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a
90
```

Result Grid | Filter Rows: | Edit: | [IA](#)

	emp_no	e_name
	1	Akash
✎	4	Kiran

```

87 • select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc
88 from emp e,dept d,assigned_to a,project p
89 where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a.p_no=p.p_no;
90

```

Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content: 

	e_name	emp_no	d_name	job_role	d_loc	p_loc
►	Bhuvan	2	ECE	Assistant	Pune	Pune
	Santosh	6	ISE	Supervisor	Sirsi	Sirsi