

## WEEK-5

```
create database employee;
```

```
use employee;
```

```
create table project(  
  p_no int primary key,  
  p_loc varchar(30),  
  p_name varchar(30)  
);
```

```
create table department(  
  dep_no int primary key,  
  dep_loc varchar(30),  
  dep_name varchar(30)  
);
```

```
create table employee(  
  emp_no int,  
  emp_name varchar(30),  
  mgr_no int,  
  hire_date date,  
  sal float,  
  dep_no int,  
  primary key(emp_no),  
  foreign key(dep_no) references department(dep_no) on update cascade on  
  delete cascade
```

);

```
create table incentives(  
emp_no int,  
incentive_date date,  
incentive_amount float,  
primary key(incentive_date,emp_no),  
foreign key(emp_no) references employee(emp_no)  
);
```

```
create table assigned_to(  
emp_no int,  
p_no int,  
job_role varchar(30),  
primary key(emp_no,p_no),  
foreign key(emp_no) references employee(emp_no),  
foreign key(p_no) references project(p_no)  
);
```

```
insert into project values (1,'Bengaluru','one');
```

```
insert into project values(2,'Mysuru','two');
```

```
insert into project values(3,'hydrabad','three');
```

```
insert into project values(4,'Chennai','four');
```

```
insert into project values(5,'Cochin','five');
```

```
insert into department values (11,'Bengaluru','account');
```

```
insert into department values(12,'Mysuru','development');
insert into department values(13,'hydrabad','HR');
insert into department values(14,'Chennai','Hiring');
insert into department values(15,'Cochin','Administration');
```

```
insert into employee values (111,'luffy',112,'1999-01-01',100000,15);
insert into employee values(112,'nami',113,'2000-03-02',124000,11);
insert into employee values(113,'robin',111,'2005-02-09',123456,13);
insert into employee values(114,'sanji',111,'2004-07-12',900000,12);
insert into employee values(115,'chopper',114,'2003-12-12',50,14);
insert into employee values(116,'kaido',114,'2002-02-19',5000000,11);
```

```
insert into incentives values (111,'2014-12-12',10000);
insert into incentives values (112,'2012-02-02',10000);
insert into incentives values (113,'2017-11-11',10000);
insert into incentives values (114,'2014-03-23',10000);
insert into incentives values (116,'2014-10-10',90000);
```

```
insert into assigned_to values (111,2,'ceo');
insert into assigned_to values (112,1,'navigator');
insert into assigned_to values (113,4,'researcher');
insert into assigned_to values (114,3,'cook');
insert into assigned_to values (115,5,'doctor');
insert into assigned_to values (116,2,'coo');
```


- select distinct a.emp\_no from assigned\_to a, project p where  
a.p\_no=p.p\_no and p.p\_no in  
(select p\_no from project where p\_loc='Bengaluru' or p\_loc='Mysuru' or  
p\_loc='hydrabad');

Result Grid	
	emp_no
▶	112
	111
	116
	114

- select emp\_no from employee where emp\_no not in  
(select emp\_no from incentives);

Result Grid	
	emp_no
▶	115
✱	NULL

- select e.emp\_name,d.dep\_name,a.job\_role  
from employee e, department d, assigned\_to a  
where e.emp\_no in(select emp\_no from incentives where  
incentive\_amount =  
(select max(incentive\_amount) from incentives where incentive\_date  
between '2014-01-01' and '2014-12-31'))  
and d.dep\_no=e.dep\_no and e.emp\_no = a.emp\_no;

Result Grid			Filter Rows:
	emp_name	dep_name	job_role
▶	kaido	account	coo

- select e.emp\_name,e.emp\_no,e.dep\_no,a.job\_role,d.dep\_loc from  
project p, assigned\_to a, employee e, department d where  
a.emp\_no=e.emp\_no and a.p\_no=p.p\_no and d.dep\_no=e.dep\_no and  
p.p\_loc=d.dep\_loc;

Result Grid

Filter Rows:

Export:

	emp_name	emp_no	dep_no	job_role	dep_loc
▶	nami	112	11	navigator	Bengaluru