

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 |