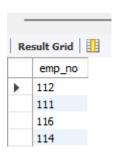
## WEEK-5

```
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
```

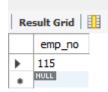
```
);
create table incentives(
emp_no int,
incentive_date date,
incentive amount float,
primary key(incentive_date,emp_no),
foreign key(emp_no) references employee(emp_no)
);
create table assigned_to(
emp_no int,
p_no int,
job_role varchar(30),
primary key(emp_no,p_no),
foreign key(emp no) references 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');



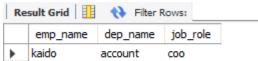
 select emp\_no from employee where emp\_no not in (select emp\_no from incentives);



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;



 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;

