

```
create database if not exists lab8;
use lab8;

create table if not exists employees
(
    eid int primary key,
    fname varchar(20),
    lname varchar(20),
    salary real,
    joindate date,
    dept varchar(10),
    gender char
);

create table if not exists project
(
    pid int primary key,
    eid int,
    pname varchar(20)
);

alter table project add foreign key(eid) references employees(eid);

set foreign_key_checks = 0;

insert into employees values (1, "Vikas", "Ahlawat", 600000, "2013-02-15", "IT", "M");
insert into employees values (2, "nikita", "Jain", 530000, "2014-01-09", "HR", "F");
insert into employees values (3, "Ashish", "Kumar", 1000000, "2014-01-09", "IT", "M");
insert into employees values (4, "Nikhil", "Sharma", 480000, "2014-01-09", "HR", "M");
insert into employees values (5, "anish", "kadian", 500000, "2014-01-09", "Payroll", "M");

insert into project values (1, 1, "Task Track");
insert into project values (2, 1, "CLP");
insert into project values (3, 1, "Survey Management");
insert into project values (4, 2, "HR Management");
insert into project values (5, 3, "Task Track");
insert into project values (6, 3, "GRS");
insert into project values (7, 3, "DDS");
insert into project values (8, 4, "HR Management");
insert into project values (9, 6, "GL Management");

set foreign_key_checks = 1;

/* Q1 */
select e.fname, p.pname
from employees as e
inner join project as p
on e.eid = p.eid
order by e.fname;

/* Q2 */
select e.fname, p.pname
from employees as e
left outer join project as p
on e.eid = p.eid
order by e.fname;

/* Q3 */
select e.fname, if(isnull(p.pname), "No Project Assigned", p.pname)
from employees as e
left outer join project as p
on e.eid = p.eid
order by e.fname;

/* Q4 */
select p.pname
from employees as e
right outer join project as p
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```
on e.eid = p.eid
order by e.fname;
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/* Q5 */
```

```
select e.fname, p.pname
from employees as e
left outer join project as p
on e.eid = p.eid
union
select e.fname, p.pname
from employees as e
right outer join project as p
on e.eid = p.eid;
```

```
/* Q6 */
```

```
select e.fname, if(isnull(p.pname), "No Project Assigned", p.pname)
from employees as e
left outer join project as p
on e.eid = p.eid
where isnull(p.pname);
```

```
/* Q7 */
```

```
select p.pname
from employees as e
right outer join project as p
on e.eid = p.eid
where isnull(e.fname);
```

```
/* Q8 */
```

```
select e.fname, p.pname
from employees as e, project as p
where p.pname in (select p.pname from employees as e right outer join project as p on e.eid
= p.eid group by pname having count(*) > 1) and e.eid = p.eid;
```

```
/* Q9 */
```

```
select e.fname, p.pname
from employees as e, project as p
where e.fname in (select e.fname from employees as e left outer join project as p on e.eid
= p.eid group by fname having count(*) > 1) and e.eid = p.eid;
```

```
drop table project;
drop table employees;
drop database lab8;
```