

```
create database details;

use details;

create table employee(emp_id int primary key auto_increment, name varchar(50),
department_id int );

insert into employee values(1, 'ravi', 101);

insert into employee values(2, 'priya', 102);

insert into employee values(3, 'karan', 101);

insert into employee values(4, 'anjali', 103);

insert into employee values(5, 'mmanish', NULL);

select * from employee;
```

```
use details;

create table department(dept_id int primary key, dept_name varchar(50));

insert into department values(101, 'IT');

insert into department values(102, 'HR');

insert into department values(103, 'Finance');

insert into department values(104, 'Marketing');

select * from department;
```

```
SELECT e.emp_id, e.name, d.dept_name FROM employee e INNER JOIN department d ON
e.department_id = d.dept_id WHERE d.dept_name = 'IT';
```

```
SELECT d.dept_id, d.dept_name FROM department d LEFT JOIN employee e ON
d.dept_id = e.department_id WHERE e.emp_id IS NULL;
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```
SELECT e.name AS Employee_Name, d.dept_name AS Department_Name FROM
employee e CROSS JOIN department d;
```

```
SELECT e.emp_id, e.name AS employee_name, e.department_id, d.dept_name FROM
employee e LEFT JOIN department d ON e.department_id = d.dept_id
```

UNION

```
SELECT e.emp_id, e.name AS employee_name, e.department_id, d.dept_name FROM  
employee e RIGHT JOIN department d ON e.department_id = d.dept_id;
```

```
SELECT e.emp_id, e.name AS employee_name, e.department_id FROM employee e LEFT  
JOIN department d ON e.department_id = d.dept_id WHERE d.dept_id IS NULL;
```