

## Assignment-2

### Employee table:

EmpID	EmpName	DeptID	Salary	HireDate
101	John	1	50000	2018-02-12
102	Alice	2	60000	2019-07-10
103	Bob	1	55000	2020-05-05
104	Carol	3	45000	2017-09-20

### Dept table:

DeptID	DeptName
1	HR
2	IT
3	Sales

## Queries:

**Display employees whose names start with 'A'.**

```
mysql> SELECT EmpName FROM employee where Empname LIKE 'A%';
```

```
+-----+
```

```
| EmpName |
```

```
+-----+
```

```
| Alice  |
```

```
+-----+
```

**Find Employees whose salary is between 45000 and 60000.**

```
SELECT empname, salary FROM employee WHERE salary BETWEEN  
45000 AND 60000;
```

```
+-----+-----+
```

```
| empname | salary |
```

```
+-----+-----+
```

```
| John   | 50000 |
```

```
| Alice  | 60000 |
```

```
| Bob    | 55000 |
```

```
| Carol  | 45000 |
```

```
+-----+-----+
```

**Show the department name of each employee(JOIN query)**

```
mysql> SELECT empname ,deptname FROM employee JOIN dept ON  
employee.deptid = dept.deptid ;
```

empname	deptname
---------	----------

John	HR
Alice	IT
Bob	HR
Carol	Sales

### Find the number of employees in each employee

```
mysql> SELECT dept.deptname,COUNT(employee.empid) AS
num_employees FROM dept LEFT JOIN employee ON
dept.deptid=employee.deptid GROUP BY dept.deptname;
```

deptname	num_employees
----------	---------------

HR	2
IT	1
Sales	1

**Display all employees, including those without a department (LEFT JOIN)**

```
mysql> SELECT empname,deptname FROM employee LEFT JOIN dept  
ON employee.deptid=dept.deptid;
```

```
+-----+-----+
```

```
| empname | deptname |
```

```
+-----+-----+
```

```
| John   | HR      |
```

```
| Alice  | IT      |
```

```
| Bob    | HR      |
```

```
| Carol  | Sales   |
```

```
+-----+-----+
```