SQL Class Exercise

```
mysql> create database employee;
Query OK, 1 row affected (0.05 sec)

mysql> use employee;
Database changed
mysql> create table emp(eno int(10),ename char(20), salary int(10), dept
char(20));
Query OK, 0 rows affected (0.33 sec)

mysql> insert into emp values(1,'Mahesh',50000,'HR');
Query OK, 1 row affected (0.09 sec)

mysql> insert into emp values(2,'Nalesh',30000,'Finanace');
Query OK, 1 row affected (0.05 sec)

mysql> insert into emp values(3,'Richa',10000,'Development');
Query OK, 1 row affected (0.10 sec)

mysql> insert into emp values(4,'Areesh',70000,'HR');
Query OK, 1 row affected (0.10 sec)

mysql> insert into emp values(5,'Kabir',40000,'Finance');
Query OK, 1 row affected (0.07 sec)

mysql> insert into emp values(6,'Inara',60000,'Development');
Query OK, 1 row affected (0.08 sec)

mysql> insert into emp values(6,'Silas',70000,'Tester');
Query OK, 1 row affected (0.07 sec)

mysql> insert into emp values(6,'Lucas',30000,'Tester');
Query OK, 1 row affected (0.10 sec)
```

1)write a query to fetch employee names whose name ends with 's' and has five character

```
mysql> select ename from emp where ename like '____s'
    -> ;
+-------+
| ename |
+-------+
| Silas |
| Lucas |
+-------+
2 rows in set (0.00 sec)
```

2)count the employee in each department

```
mysql> select dept,count(eno) from emp group by dept;
+-------------+------------+
| dept        | count(eno) |
+-------------+------------+
| Development |          2 |
| Finanace    |          1 |
| Finance     |          1 |
| HR          |          2 |
| Tester      |          2 |
+-------------+------------+
5 rows in set (0.00 sec)
```

3)dept wise show the minimum salary

```
mysql> select dept,min(salary) from emp group by dept;
+-------------+-------------+
| dept        | min(salary) |
+-------------+-------------+
| Development |       10000 |
| Finanace    |       30000 |
| Finance     |       40000 |
| HR          |       50000 |
| Tester      |       30000 |
+-------------+-------------+
5 rows in set (0.00 sec)
```

4)show only those dept name whose max salary is > 60000

```
mysql> select distinct dept from emp where 60000 < (select max(salary)
from emp);
+-------------+
| dept        |
+-------------+
| HR          |
| Finanace    |
| Development |
| Finance     |
| Tester      |
+-------------+
5 rows in set (0.00 sec)

mysql> desc emp;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| eno    | int(10)  | YES  |     | NULL    |       |
| ename  | char(20) | YES  |     | NULL    |       |
| salary | int(10)  | YES  |     | NULL    |       |
| dept   | char(20) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

5)find the second highest salary from employee.

```
mysql> select max(salary) from emp where salary < (select max(salary)
from emp);
+-------------+
| max(salary) |
+-------------+
|       60000 |
+-------------+
1 row in set (0.00 sec)
```

6). show the all employee names except tester.

```
mysql> select * from emp where dept <> 'Tester';
+------+--------+--------+-------------+
| eno  | ename  | salary | dept        |
+------+--------+--------+-------------+
|    1 | Mahesh |  50000 | HR          |
|    2 | Nalesh |  30000 | Finanace    |
|    3 | Richa  |  10000 | Development |
|    4 | Areesh |  70000 | HR          |
|    5 | Kabir  |  40000 | Finance     |
|    6 | Inara  |  60000 | Development |
+------+--------+--------+-------------+
6 rows in set (0.00 sec)
```