Q1. Find all employees whose Employee name ends with 'N'. List the employee number, the Employee name, and the last character of the Employee name.

```
mysql> select empno, ename, RIGHT(ename,1) from emp where ename LIKE "%n";
+-------+--------+-----------------+
| empno | ename  | RIGHT(ename,1) |
+-------+--------+-----------------+
|  7499 | ALLEN  | N               |
|  7654 | MARTIN | N               |
+-------+--------+-----------------+
2 rows in set (0.03 sec)
```

Q2. write a procedure to increment the sallary of employee who works in sales department .

```
mysql> delimiter //
mysql> create procedure q2()
    -> begin
    -> update emp set sal= sal*1.3 where deptno = (select deptno from dept where dname="SALES");
    -> end
    -> //
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;
mysql> select * from emp
    -> ;
+-------+--------+-----------+------+------------+---------+---------+--------+
| empno | ename  | job       | mgr  | hiredate   | sal     | comm    | deptno |
+-------+--------+-----------+------+------------+---------+---------+--------+
|  7369 | SMITH  | CLERK     | 7902 | 1980-12-17 |  800.00 |    NULL |     20 |
|  7499 | ALLEN  | SALESMAN  | 7698 | 1981-02-20 | 1600.00 |  300.00 |     30 |
|  7521 | WARD   | SALESMAN  | 7698 | 1981-02-22 | 1250.00 |  500.00 |     30 |
|  7566 | JONES  | MANAGER   | 7839 | 1981-02-04 | 2975.00 |    NULL |     20 |
|  7654 | MARTIN | SALESMAN  | 7698 | 1981-08-29 | 1250.00 | 1400.00 |     30 |
|  7698 | BLAKE  | MANAGER   | 7839 | 1981-01-05 | 2850.00 |    NULL |     30 |
|  7782 | CLARK  | MANAGER   | 7839 | 1981-09-06 | 2450.00 |    NULL |     10 |
|  7788 | SCOTT  | ANALYST   | 7566 | 1987-07-13 | 3000.00 |    NULL |     20 |
|  7839 | KING   | PRESIDENT | NULL | 1981-11-17 | 5000.00 |    NULL |     10 |
|  7844 | TURNER | SALESMAN  | 7698 | 1981-08-09 | 1500.00 |    0.00 |     30 |
|  7876 | ADAMS  | CLERK     | 7788 | 1987-07-13 | 1100.00 |    NULL |     20 |
|  7900 | JAMES  | CLERK     | 7698 | 1981-03-12 |  950.00 |    NULL |     30 |
|  7902 | FORD   | ANALYST   | 7566 | 1981-03-12 | 3000.00 |    NULL |     20 |
|  7934 | MILLER | CLERK     | 7782 | 1982-01-23 | 1300.00 |    NULL |     10 |
+-------+--------+-----------+------+------------+---------+---------+--------+
14 rows in set (0.00 sec)
```

```
mysql> call q2();
Query OK, 6 rows affected (0.08 sec)

mysql> select * from emp;
+-------+--------+-----------+------+-
| empno | ename  | job       | mgr  |
+-------+--------+-----------+------+-
|  7369 | SMITH  | CLERK     | 7902 |
|  7499 | ALLEN  | SALESMAN  | 7698 |
|  7521 | WARD   | SALESMAN  | 7698 |
|  7566 | JONES  | MANAGER   | 7839 |
|  7654 | MARTIN | SALESMAN  | 7698 |
|  7698 | BLAKE  | MANAGER   | 7839 |
|  7782 | CLARK  | MANAGER   | 7839 |
|  7788 | SCOTT  | ANALYST   | 7566 |
|  7839 | KING   | PRESIDENT | NULL |
|  7844 | TURNER | SALESMAN  | 7698 |
|  7876 | ADAMS  | CLERK     | 7788 |
|  7900 | JAMES  | CLERK     | 7698 |
|  7902 | FORD   | ANALYST   | 7566 |
|  7934 | MILLER | CLERK     | 7782 |
+-------+--------+-----------+------+-
14 rows in set (0.00 sec)
```

Q3. write a function to find the total salary of employees, who works in Accounts department

```
mysql> create function q3() returns int begin declare total int(4) default 0; select sum(e.sal) into total from emp e inner join
 dept d on e.deptno=d.deptno where d.dname="ACCOUNTING"; return total; end;//
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;
mysql> select * from emp;
+-------+--------+-----------+------+------------+---------+---------+--------+
| empno | ename  | job       | mgr  | hiredate   | sal     | comm    | deptno |
+-------+--------+-----------+------+------------+---------+---------+--------+
|  7369 | SMITH  | CLERK     | 7902 | 1980-12-17 |  800.00 |    NULL |     20 |
|  7499 | ALLEN  | SALESMAN  | 7698 | 1981-02-20 | 2080.00 |  300.00 |     30 |
|  7521 | WARD   | SALESMAN  | 7698 | 1981-02-22 | 1625.00 |  500.00 |     30 |
|  7566 | JONES  | MANAGER   | 7839 | 1981-02-04 | 2975.00 |    NULL |     20 |
|  7654 | MARTIN | SALESMAN  | 7698 | 1981-08-29 | 1625.00 | 1400.00 |     30 |
|  7698 | BLAKE  | MANAGER   | 7839 | 1981-01-05 | 3705.00 |    NULL |     30 |
|  7782 | CLARK  | MANAGER   | 7839 | 1981-09-06 | 2450.00 |    NULL |     10 |
|  7788 | SCOTT  | ANALYST   | 7566 | 1987-07-13 | 3000.00 |    NULL |     20 |
|  7839 | KING   | PRESIDENT | NULL | 1981-11-17 | 5000.00 |    NULL |     10 |
|  7844 | TURNER | SALESMAN  | 7698 | 1981-08-09 | 1950.00 |    0.00 |     30 |
|  7876 | ADAMS  | CLERK     | 7788 | 1987-07-13 | 1100.00 |    NULL |     20 |
|  7900 | JAMES  | CLERK     | 7698 | 1981-03-12 | 1235.00 |    NULL |     30 |
|  7902 | FORD   | ANALYST   | 7566 | 1981-03-12 | 3000.00 |    NULL |     20 |
|  7934 | MILLER | CLERK     | 7782 | 1982-01-23 | 1300.00 |    NULL |     10 |
+-------+--------+-----------+------+------------+---------+---------+--------+
14 rows in set (0.00 sec)

mysql> select q3() as answer;
+--------+
| answer |
+--------+
|   8750 |
+--------+
1 row in set (0.04 sec)
```

Q4. create a new table for keeping transaction records,record will be updated in this table when there is deduction in the salary,when salary is deducted a trigger is executed which insert employee name ,updatedby ,changedsalary,updateddate in new table.

```
mysql> create table emp_log( EMPLOYEE_NAME VARCHAR(20), UPDATED_BY VARCHAR(20), NEW_SALARY BIGINT, UPDATED_DATE DATE);
Query OK, 0 rows affected (0.78 sec)
```

```
mysql> create trigger my_trig
    -> after update on emp
    -> for each row
    -> begin
    -> insert into emp_log values(NEW.ename, "Pushkar", NEW.sal, NOW());
    -> end;
    -> //
Query OK, 0 rows affected (0.20 sec)
```