

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

```
abhishek@abhishek-arora: ~  
mysql> select empno , ename, RIGHT(ename,1) as lastCharacter FROM emp where ename like ('%N');  
+-----+-----+-----+  
| empno | ename | lastCharacter |  
+-----+-----+-----+  
| 7499  | ALLEN | N             |  
| 7654  | MARTIN | N             |  
+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql>
```

2) write a procedure to increment the salary of employee who works in sales department

```
abhishek@abhishek-arora: ~  
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 | 2600.00 | 300.00 | 30      |  
| 7521  | WARD  | SALESMAN | 7698 | 1981-02-22 | 2250.00 | 500.00 | 30      |  
| 7566  | JONES | MANAGER  | 7839 | 1981-04-02 | 2975.00 | NULL | 20      |  
| 7654  | MARTIN | SALESMAN | 7698 | 1981-09-28 | 2250.00 | 1400.00 | 30      |  
| 7698  | BLAKE | MANAGER  | 7839 | 1981-05-01 | 3850.00 | NULL | 30      |  
| 7782  | CLARK | MANAGER  | 7839 | 1981-06-09 | 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 | 1981-09-08 | 2500.00 | 0.00 | 30      |  
| 7876  | ADAMS | CLERK    | 7788 | 1987-07-19 | 1100.00 | NULL | 20      |  
| 7900  | JAMES | CLERK    | 7698 | 1981-12-03 | 1950.00 | NULL | 30      |  
| 7902  | FORD  | ANALYST  | 7566 | 1981-12-03 | 3000.00 | NULL | 20      |  
| 7934  | MILLER | CLERK    | 7782 | 1982-01-23 | 1300.00 | NULL | 10      |  
+-----+-----+-----+-----+-----+-----+-----+  
14 rows in set (0.00 sec)  
  
mysql> delimiter //  
mysql> Create PROCEDURE updateSalary()  
-> BEGIN  
-> Update emp set sal = sal+1000 where deptno = (select deptno from dept where dname="SALES");  
-> END  
-> //  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> delimiter ;  
mysql> call updateSalary();  
Query OK, 6 rows affected (0.08 sec)  
  
mysql>
```

```
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 | 3600.00  | 300.00   | 30     |
| 7521   | WARD   | SALESMAN | 7698 | 1981-02-22 | 3250.00  | 500.00   | 30     |
| 7566   | JONES  | MANAGER  | 7839 | 1981-04-02 | 2975.00  | NULL     | 20     |
| 7654   | MARTIN | SALESMAN | 7698 | 1981-09-28 | 3250.00  | 1400.00  | 30     |
| 7698   | BLAKE  | MANAGER  | 7839 | 1981-05-01 | 4850.00  | NULL     | 30     |
| 7782   | CLARK  | MANAGER  | 7839 | 1981-06-09 | 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 | 1981-09-08 | 3500.00  | 0.00     | 30     |
| 7876   | ADAMS  | CLERK    | 7788 | 1987-07-19 | 1100.00  | NULL     | 20     |
| 7900   | JAMES  | CLERK    | 7698 | 1981-12-03 | 2950.00  | NULL     | 30     |
| 7902   | FORD   | ANALYST  | 7566 | 1981-12-03 | 3000.00  | NULL     | 20     |
| 7934   | MILLER | CLERK    | 7782 | 1982-01-23 | 1300.00  | NULL     | 10     |
+-----+-----+-----+-----+-----+-----+-----+-----+
14 rows in set (0.00 sec)

mysql>
```

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

```
Terminal File Edit View Search Terminal Help
mysql> delimiter //
mysql> DROP FUNCTION IF EXISTS totalSalary //
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql>
mysql> CREATE FUNCTION totalSalary()
-> RETURNS DECIMAL
->
-> BEGIN
-> DECLARE totalsal DECIMAL(7,2) DEFAULT 0.00;
->
-> SELECT SUM(sal) INTO totalsal from emp WHERE deptno = (SELECT deptno FROM dept WHERE dname="ACCOUNTING");
-> RETURN totalsal;
-> END
-> //
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;
mysql> SELECT totalSalary();
+-----+
| totalSalary() |
+-----+
| 8750 |
+-----+
1 row in set (0.00 sec)

mysql>
```



```
abhishek@abhishek-arora: ~
mysql> UPDATE emp set sal=700 where deptno=20;
Query OK, 5 rows affected (0.15 sec)
Rows matched: 5  Changed: 5  Warnings: 0

mysql> select * FROM SalaryTransactions;
+-----+-----+-----+-----+
| ename | updatedBy | updated_sal | updated_On |
+-----+-----+-----+-----+
| SMITH | root@localhost | 700.00 | 2018-02-20 |
| JONES | root@localhost | 700.00 | 2018-02-20 |
| SCOTT | root@localhost | 700.00 | 2018-02-20 |
| ADAMS | root@localhost | 700.00 | 2018-02-20 |
| FORD  | root@localhost | 700.00 | 2018-02-20 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```