

Introduction to Functions - Single Row Functions

Objectives

- Identify appropriate applications of single-row functions in query statements
- Classify a function as a single-row or multi-row function
- Differentiate between single-row functions and multirow functions and the result returned by each

Try It / Solve It

1. For each task, choose whether a single-row or multiple row function would be most appropriate:
 - a. Showing all of the email addresses in upper case letters
 - b. Determining the average salary for the employees in the sales department
 - c. Showing hire dates with months spelled out (*September 1, 2004*)
 - d. Finding out the employees in each department that had the most seniority (the earliest hire date)
 - e. Displaying the employees salaries rounded to the hundreds place
 - f. Substituting zeros for null values when displaying employee commissions.
2. The most common multiple-row functions are: AVG, COUNT, MAX, MIN, and SUM. Give your own definition for each of these functions.
3. Test your definitions by substituting each of the multiple-row functions in this query.

```
SELECT FUNCTION(salary)
FROM   employees
```

Write out each query and its results.