# Practices for Lesson 5: Using Conversion Functions and Conditional Expressions

Practices for Lesson 5: Overview

Practice Overview

This practice covers the following topics:

Creating queries that use the TO\_CHAR and TO\_DATE functions

Creating queries that use conditional expressions such as CASE, searched CASE, and

DECODE

Practice 5-1: Using Conversion Functions and Conditional Expressions

Overview

In this practice, you use the TO\_CHAR and TO\_DATE functions, and conditional expressions such as CASE, searched CASE, and DECODE.

Tasks

Create a report that produces the following for each employee:

<employee last name> earns <salary> monthly but wants <3 times salary.>. Label the column Dream Salaries.

Display each employee’s last name, hire date, and salary review date, which is the first Monday after six months of service. Label the column REVIEW. Format the dates to appear in a format that is similar to “Monday, the Thirty-First of July, 2000.”

Create a query that displays employees’ last names and commission amounts. If an employee does not earn commission, show “No Commission.” Label the column COMM.

Using the CASE function, write a query that displays the grade of all employees based on the value of the JOB\_ID column, using the following data:

Job Grade

AD\_PRES A

ST\_MAN B

IT\_PROG C

SA\_REP D

ST\_CLERK E

None of the above 0

Rewrite the statement in the preceding exercise by using the searched CASE syntax.

Rewrite the statement in the preceding exercise by using the DECODE syntax.

Solution 5-1: Using Conversion Functions and Conditional Expressions

Create a report that produces the following for each employee:

<employee last name> earns <salary> monthly but wants <3 times salary.>. Label the column Dream Salaries.

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Rewrite the statement in the preceding exercise by using the DECODE syntax.