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

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

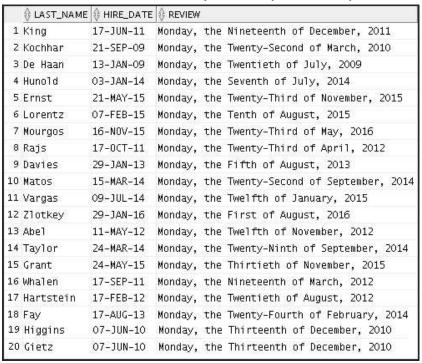
In this practice, you use the <code>TO_CHAR</code> and <code>TO_DATE</code> functions, and conditional expressions such as <code>CASE</code>, searched <code>CASE</code>, and <code>DECODE</code>.

Tasks

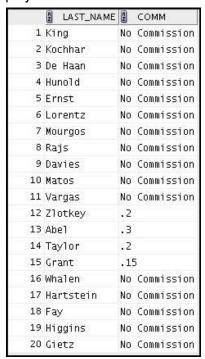
1. Create a report that produces the following for each employee: <employee last name> earns <salary> monthly but wants <3 times salary.>. Label the column Dream Salaries.

÷.	♦ Dream Salaries
1	King earns \$24,000.00 monthly but wants \$72,000.00.
2	Kochhar earns \$17,000.00 monthly but wants \$51,000.00.
3	De Haan earns \$17,000.00 monthly but wants \$51,000.00.
4	Hunold earns \$9,000.00 monthly but wants \$27,000.00.
5	Ernst earns \$6,000.00 monthly but wants \$18,000.00.
6	Lorentz earns \$4,200.00 monthly but wants \$12,600.00.
7	Mourgos earns \$5,800.00 monthly but wants \$17,400.00.
8	Rajs earns \$3,500.00 monthly but wants \$10,500.00.
9	Davies earns \$3,100.00 monthly but wants \$9,300.00.
10	Matos earns \$2,600.00 monthly but wants \$7,800.00.
11	Vargas earns \$2,500.00 monthly but wants \$7,500.00.
12	Zlotkey earns \$10,500.00 monthly but wants \$31,500.00.
13	Abel earns \$11,000.00 monthly but wants \$33,000.00.
14	Taylor earns \$8,600.00 monthly but wants \$25,800.00.
15	Grant earns \$7,000.00 monthly but wants \$21,000.00.
16	Whalen earns \$4,400.00 monthly but wants \$13,200.00.
17	Hartstein earns \$13,000.00 monthly but wants \$39,000.00.
18	Fay earns \$6,000.00 monthly but wants \$18,000.00.
19	Higgins earns \$12,008.00 monthly but wants \$36,024.00.
20	Gietz earns \$8,300.00 monthly but wants \$24,900.00.

2. 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."

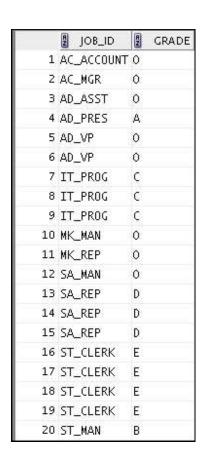


3. Create a query that displays employees' last names and commission amounts. If an employee does not earn commission, show "No Commission." Label the column COMM.

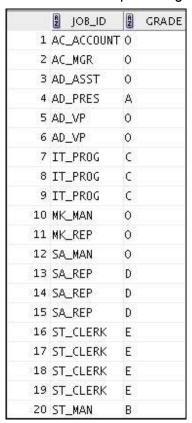


4. Using the CASE function, write a query that displays the grade of all employees based on the value of the JOB_ID column, using the following data:

Job	Grade
AD_PRES	A
ST_MAN	В
IT_PROG	С
SA_REP	D
ST_CLERK	E
None of the above	ve 0



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



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

