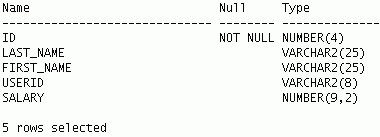
Practice 8

The HR department wants you to create SQL statements to insert, update, and delete employee data. As a prototype, you use the MY\_EMPLOYEE table before giving the statements to the HR department.

Insert data into the MY\_EMPLOYEE table.

1. Run the statement in the lab\_08\_01.sql script to build the MY\_EMPLOYEE table to be used for the lab.
2. Describe the structure of the MY\_EMPLOYEE table to identify the column names.



1. Create an INSERT statement to add *the first row* of data to the MY\_EMPLOYEE table from the following sample data. Do not list the columns in the INSERT clause. *Do not enter all rows yet.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |
| 3 | Biri | Ben | bbiri | 1100 |
| 4 | Newman | Chad | cnewman | 750 |
| 5 | Ropeburn | Audrey | aropebur | 1550 |

1. Populate the MY\_EMPLOYEE table with the second row of sample data from the preceding list. This time, list the columns explicitly in the INSERT clause.
2. Confirm your addition to the table.



1. Write an INSERT statement in a dynamic reusable script file named loademp.sql to load rows into the MY\_EMPLOYEE table. Concatenate the first letter of the first name and the first seven characters of the last name to produce the user ID. Save this script to a file named lab\_08\_06.sql.
2. Populate the table with the next two rows of sample data listed in step 3 by running the

INSERT statement in the script that you created.

Practice 8 (continued)

1. Confirm your additions to the table.



1. Make the data additions permanent.

Update and delete data in the MY\_EMPLOYEE table.

1. Change the last name of employee 3 to Drexler.
2. Change the salary to $1,000 for all employees who have a salary less than $900.
3. Verify your changes to the table.



1. Delete Betty Dancs from the MY\_EMPLOYEE table.
2. Confirm your changes to the table.



1. Commit all pending changes.

Practice 8 (continued)

**Control data transaction to the MY\_EMPLOYEE table.**

1. Populate the table with the last row of sample data listed in step 3 by using the statements in the script that you created in step 6. Run the statements in the script.
2. Confirm your addition to the table.



1. Mark an intermediate point in the processing of the transaction.
2. Empty the entire table.
3. Confirm that the table is empty.
4. Discard the most recent DELETE operation without discarding the earlier INSERT

operation.



1. Confirm that the new row is still intact.
2. Make the data addition permanent.