Practice 9

Insert data into the MY_EMPLOYEE table.

1. Run the \LABS*lab9_1.sql* script to build the MY_EMPLOYEE table that will be used for the lab.
2. Describe the structure of the MY_EMPLOYEE table to identify the column names.

```
Name          Null?     Type
------------- --------- ------
ID            NOT NULL  NUMBER(4)
LAST_NAME               VARCHAR2(25)
FIRST_NAME              VARCHAR2(25)
USERID                  VARCHAR2(8)
SALARY                  NUMBER(9,2)
```

3. Add the first row of data to the MY_EMPLOYEE table from the sample data below. Do not list the columns in the INSERT clause.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	795
2	Dancs	Betty	bdancs	860
3	Biri	Ben	bbiri	1100
4	Newman	Chad	cnewman	750
5	Ropeburn	Audry	aropebur	1550

4. Populate the MY_EMPLOYEE table with the second row of sample data from the list above. This time, list the columns explicitly in the INSERT clause.
5. Confirm your addition to the table.

```
  ID LAST_NAME   FIRST_NAME USERID  SALARY
---- ----------- ---------- ------ ------
   1 Patel       Ralph      rpatel    795
   2 Dancs       Betty      bdancs    860
```

Practice 9 (continued)

6. Create a script named *loademp.sql* to load rows into the MY_EMPLOYEE table interactively. Prompt the user for the employee's first name, last name, and salary. Concatenate the first letter of the first name and the first seven characters of the last name to produce the userid.
7. Populate the table with the next two rows of sample data by running the script you created.
8. Confirm your additions to the table.

```
ID  LAST_NAME  FIRST_NAME USERID  SALARY
--- ---------- ---------- ------  ------
  1 Patel      Ralph      rpatel     795
  2 Dancs      Betty      bdancs     860
  3 Biri       Ben        bbiri     1100
  4 Newman     Chad       cnewman    750
```

9. Make the data additions permanent.

Update and delete data in the MY_EMPLOYEE table.

10. Change the last name of employee 3 to Drexler.
11. Change the salary to 1000 for all employees with a salary less than 900.
12. Verify your changes to the table.

```
LAST_NAME  SALARY
---------- ------
Patel        1000
Dancs        1000
Biri         1100
Newman       1000
```

13. Delete Betty Dancs from the MY_EMPLOYEE table.
14. Confirm your changes to the table.

```
 ID LAST_NAME  FIRST_NAME USERID  SALARY
--- ---------- ---------- ------  ------
  1 Patel      Ralph      rpatel    1000
  3 Drexler    Ben        bbiri     1100
  4 Newman     Chad       cnewman   1000
```

Practice 9 (continued)

15. Commit all pending changes.

    Control data transaction to the MY_EMPLOYEE tables.

16. Populate the table with the last row of sample data by running the script you created in step 6.

17. Confirm your addition to the table.

```
 ID LAST_NAME FIRST_NAME  USERID   SALARY
--- --------- ----------- -------- ------
  1 Patel     Ralph       rpatel     1000
  3 Drexler   Ben         bbiri      1100
  4 Newman    Chad        cnewman    1000
  5 Ropeburn  Audry       aropebur   1500
```

18. Mark an intermediate point in the processing of the transaction.

19. Empty the entire table.

20. Confirm that the table is empty.

21. Discard the most recent DELETE operation without discarding the earlier INSERT operation.

22. Confirm that the new row is still intact.

```
 ID  LAST_NAME  FIRST_NAME USERID    SALARY
---  ---------  ---------- --------- ------
  1  Patel      Ralph      rpatel       795
  3  Biri       Ben        bbiri       1100
  4  Newman     Chad       cnewman      750
  5  Ropeburn   Audry      aropebur    1500
```

23. Make the data addition permanent.