

MySQL

Practice – 7

Overview

In this practice you will add rows to the MY_EMPLOYEE table, update and delete data from the table, and control your transactions.

- *Inserting rows into the tables*
- *Updating and deleting rows in the table*
- *Controlling transactions*

Inserting data into the MY_EMPLOYEE table.

1. Run the **LAB7_1.SQL** script to build the **MY_EMPLOYEE** table that will be used for this practice session.

OR Type the following command

```
CREATE TABLE MY_EMPLOYEE
(
    ID          INT(4)      PRIMARY KEY AUTO_INCREMENT,
    LAST_NAME   VARCHAR(25) ,
    FIRST_NAME  VARCHAR(25) ,
    USERID      VARCHAR(8) ,
    SALARY      FLOAT(9,2)
);
```

2. Describe the structure of **MY_EMPLOYEE** table to identify the column names.
3. **NOTE** : You will be inserting the below sample data one after another in different questions. Please read the question carefully before inserting the data.

Add the first row of the data in **MY_EMPLOYEE** table from the following sample data. Do not list the column 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 | aropeburn | 1550 |

4. Populate the **MY_EMPLOYEE** table with the second row of the sample data from the preceding list. This time, list the column explicitly in the **INSERT** clause.
5. Confirm your addition to the table.
6. Create a script name **LOADEMP.SQL** to load rows into **MY_EMPLOYEE** table. Concatenate the first letter of first name and the first seven characters of the last name to produce the userid in lower case letters.
7. Populate the **MY_EMPLOYEE** table with the next two rows of the sample data by running the script that you created.
8. Confirm your addition to the table. It should match exactly as the one shown above.
9. Make the data additions permanent. Do you really require it.

Update and delete data in the MY_EMPLOYEE table.

10. Disable auto commit. Ensure that auto commit is disabled. Now, change the last name of employee 3 to **DEXTER**.
11. Change the salary to **1000** for all employees where the salary is less than **900**.
12. Verify your changes in the table.
13. Delete “**Betty Dancs**” from the **MY_EMPLOYEE** table.
14. Confirm your changes to the table.
15. Commit all pending changes.

Control data transaction to the MY_EMPLOYEE table.

16. Populate the table with the last row of the sample data by running the script that you created in question number 6.
17. Confirm your addition to the table.
18. Mark an intermediate point in the processing of the transaction.
19. Empty the entire table.
20. Confirm the table is empty

21. Discard the most recent **DELETE** operation without discarding the earlier **INSERT** operation.
22. Confirm that the new row which you had inserted in question 16 is there.
23. Make the data addition permanent and make auto commit enabled.