

DAY 10

PRN : 200243020003

Manipulating Data

1. Run the statement to build the MY_EMPLOYEE table to be used for the lab.

```
CREATE TABLE my_employee (  
    id NUMBER (4),  
    last_name VARCHAR2 (25),  
    first_name VARCHAR2 (25),  
    userid VARCHAR2 (8),  
    salary NUMBER (9,  
        2)  
);
```

2. Add the first row of data to the MY_EMPLOYEE table . Do not list the columns in the INSERT clause. Make the data additions permanent.

```
INSERT INTO my_employee  
    VALUES(1, willl, smith, wsmith, 60000);  
COMMIT;
```

3. 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

```
INSERT INTO my_employee (id, last_name, first_name, userid, salary)  
    VALUES(2, jack, jimmy, jjimmy , 45000);
```

4. Write an INSERT statement in a text 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.

```
SET ECHO OFF SET VERIFY OFF INSERT INTO my_employee  
    VALUES(& p_id, & p_last_name, & p_first_name, lower(substr(&  
p_first_name, 1, 1) || substr(& p_last_name, 1, 7)), & p_salary);  
SET VERIFY ON SET ECHO ON;
```

5. Change the last name of employee 3 to Drexler

```
UPDATE
  my_employee
SET
  last_name = Drexler
WHERE
  id = 3;
```

6. Change the salary to 1000 for all employees with a salary less than 900. Verify your changes to the table.

```
UPDATE
  my_employee
SET
  salary = 1000
WHERE
  salary < 900;
```

7. Delete an employee from the MY_EMPLOYEE table. Prompt user on screen for first_name

```
DELETE FROM MY_EMPLOYEE
WHERE FIRST_NAME = '&name';
```

8. Try all these:: Mark an intermediate point in the processing of the transaction. Empty the entire table. Confirm that the table is empty.

```
SAVEPOINT step_8;

DELETE FROM my_employee;

SELECT
  *
FROM
  my_employee;
```

9. Discard the most recent DELETE operation without discarding the earlier INSERT operation. Confirm that the new row is still intact

```
ROLLBACK TO step_8;
```

```
SELECT
    *
FROM
    my_employee;
```