**PROBLEM SET CHAPTER 10**

**Include the following comments at the top:**

**-- Your Name**

**-- Date**

**Put all of the SQL Statements in one script, and do not zip the file.**

1. Run the statement in the lab\_10.sql script to build the MY\_EMPLOYEE table.
2. Enter an INSERT statement to add the first row of data to the MY\_EMPLOYEE table from Row 1 of the following sample data. Do not list the columns in the INSERT clause.
3. Insert the second row of the MY\_EMPLOYEE table. This time, list the columns explicitly in the INSERT clause.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Parsons | Randolph | rparsons | 1895 |
| 2 | Danes | Barbara | bdanes | 1860 |

1. Write an INSERT statement that prompts the user for all of the columns (ID, LAST\_NAME, FIRST\_NAME, USERID, and SALARY). Run the INSERT statement twice to enter rows 3 and 4 into the MY\_EMPLOYEE table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | Mahoney | Ben | bmahoney | 2100 |
| 4 | Newman | Chad | cnewman | 1750 |

1. Change the last name of employee 2 to Patel, and change the USERID to reflect the change.
2. Change the salary to $2,000 for all employees who have a salary less than $1900.
3. Write the DELETE statement that will remove Ben Mahoney from the MY\_EMPLOYEE table.
4. Make your changes to the table permanent.
5. Run the INSERT statement for question (3) again to insert row 5 of the data, as shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | Ropeburn | Alice | aropeburn | 1550 |

1. Make a Savepoint, marking an intermediate point in the session.
2. Delete all rows from the MY\_EMPLOYEE table.
3. Enter the command that will discard the most recent DELETE operation without discarding the INSERT operation from step 9.
4. Modify the INSERT from question (3) such that the USERID is generated automatically by concatenating the first letter of the first name and the first seven characters of the last name. The generated USERID must be in lowercase. Hence, the script should not prompt for the USERID. Enter the command to run the script, ch10p13 to insert the following record:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6 | Anthony | Mark | manthony | 2200 |

Upon completion of this homework, the MY\_EMPLOYEE table should contain the following data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Parsons | Randolph | rparsons | 2000 |
| 2 | Patel | Barbara | bpatel | 2000 |
| 4 | Newman | Chad | cnewman | 2000 |
| 5 | Ropeburn | Alice | aropeburn | 1550 |
| 6 | Anthony | Mark | manthony | 2200 |

**(NOTE: If you need to run Ch10\_Homework script more than once, you need to DROP the MY\_EMPLOYEE table first.)**