1.   **(35 Points)** Manually create the following database tables:

        CREATE TABLE dept
        (DEPTNO   NUMBER(3) PRIMARY KEY,
          DNAME   VARCHAR2(16),
          LOC   VARCHAR2(16)
        );

        CREATE TABLE dept_shadow
        (DEPTNO   NUMBER(3) PRIMARY KEY,
          DNAME   VARCHAR2(16),
          LOC   VARCHAR2(16),
          USER   VARCHAR2(32),
          MODTIME   CHAR(17)
        );

   Create a trigger to track all inserts into a table. Specifically, for each record inserted into the DEPT table, the trigger should insert a duplicate record into the DEPT_SHADOW table along with the information of the user who performs the insertion (the USER column) as well as the date/time of the insertion (the MODTIME column).
   The MODTIME column keeps track of the date/time in the following character string format:

                MM/DD/YY hh:mm:ss.

        Save your program in the script file ***prog4a.sql***

2.   **(35 Points)** For the DEPT table created in problem #1 above, insert the following records by using bulk binding

                Dept = {(10, 'ACCOUNTING', 'NEW YORK'),
                        (20, 'RESEARCH',   'DALLAS'),
                        (30, 'SALES',   'CHICAGO'),
                        (40, 'OPERATIONS', 'DALLAS'),
                        (50, 'MARKETING', 'BOSTON')}

        Save your program in the script file ***prog4b.sql***

3.   **(30 Points)** Create a PL/SQL block to retrieve all the information about each department from the DEPT table and print the information to the screen by using a PL/SQL table of records.

        Save your program in the script file ***prog4c.sql***

Note: Please note that this assignment consists of three parts, and each part may require you to submit a file. Therefore, please create a folder named "LastName HW4" to organize your solution files for each question/part. Place all the files in this folder and compress it into a zip file. Please ensure that the zip file is named "LastName HW4.zip". Finally, submit the zipped file to the Assignment 4 Submission page on your D2L course website.

Again: For instance, for assignment #4, you should create a folder named "LastName HW4" in your home directory (e.g., c:\LastName HW4) and save the script files prog4a.sql, prog4b.sql, and prog4c.sql in this folder. Once you have done that, compress the folder into a zip file named "LastName HW4.zip" and submit this zip file to the Assignment 4 Submission link on your D2L course website.

 SUBMIT YOUR HW4 FOLDER AS ZIP FILE TO YOUR D2L ASSIGNMENT 4 SUBMISSION LINK FOR GRADING.
Make sure only one copy is submitted.