A2-DBS311-2024-3 Batch PL-SQL ---- Transaction PL/SQL

**Due date BEFORE Friday midnight of November 29, 2024**

**NO LATE ASSIGNMENTS will be accepted.**

**You need to work on this before the deadline so that submission problems are avoided such as your system or Seneca's fails, or you have ill health. Remember as a group the others can take over responsibility. If you are not using a group, then it is solely your own responsibility.**

**This is a group assignment to maximum of 6 people from your own class DBS311. Only one submission per group. All members of the group will be in the commented section of the script and will contain, name, student id and oracle id. Missing names cannot be added after submission.**

**NOTE: Changes may be made to this assignment and will be communicated to you in time by email.**

The script is to me submitted in a **text file** and not SQL file or any other type as I will run it.

Name the file yourname.txt == of course replace the yourname with the name of the person who submits on behalf of your group

**Instructions**

In simplified form, you are going to be producing a script. The script will create 2 tables, load the 2 tables with data and then using PL/SQL it will process those 2 tables and with 2 SQL at the end will show the resulting output for the 2 processed tables.

The script must run completely and accurately to produce the proper output. A script that does not run properly will be considered incomplete and needs to be resubmitted and be complete. No marks for resubmission. Get it right the first time, please.

**The script will create 2 tables**

Table empxx where xx is replaced with your last 2 digits of your Oracle id of the person submitting this assignment

Table transxx where xx is replaced with your last 2 digits of your Oracle id

The empxx table will contain the following

EMPID meaning the employees id

LNAME meaning last name

FNAME meaning first name

SALARY meaning the salary of the individual Add a constraint that it will not exceed 20000

COMMPCT meaning the commission percent

HIREDATE meaning date hired

This table is loaded with **all SA\_REP** employees from the EMPLOYEES table.

The **script** will then add **new employees**

Add to this EMPXX table all members in your group. When adding the employee id, start with 3 and add your members last 2 digits of their Oracle ID. For example, if your ID is 29, then the employee id will be 329.

Each member in your group will be a new employee with starting date SYSDATE.

Each member in your group will have a commission percent of 0.20

Each member in your group will have a salary of 5000

**TRANSXX**

This table needs to be created and contains the following columns.

EMPID Number 4,0 can be null --- meaning do not put any constraints

ACTION CHAR(1)

SALARY Must be greater than 1000 and maximum 20,000

It is loaded with the following data:

180 U 11000

8 I 2000

41 I 2500

36 D 3000

15 X 9500

178 I 3800

34 I 2000

35 I 2000

17 U 7000

87 U 9000

176 I 21000

In the ACTION column

U means update salary to that value shown

I means increase the employees current salary by the amount

* If the amount is negative, then decrease the salary

D means decrease salary by amount shown

Anything else is an error

* Wrong action
* Employee does not exist

Your PL/SQL script

Will create 2 tables EMPXX and TRANSXX

Add in members in your group

Update EMPXX with the TRANSXX

Provide appropriate messages

At the end of the script, you need to show the EMPXX table and the TRANSXX

**VIDEO:**

This will show the running of the script. This is not a fancy video, but it does need some explanation while it runs. The video should be about 2 to 5 minutes.

**SUBMISSION:**

1 **text file** and not any other file such as SQL. Name the text file with the name of the person submitting the file

2 **VIDEO**. Please do not use some complicated video software that will not run if you do not have that software installed.