


Due date BEFORE Friday midnight of August 9, 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. Also, **a short video** demonstrating it running.

Instructions

Simply put you are to create PL/SQL script that runs perfectly and take a video of it running.

Create 2 tables. PRODUCTxx and DAILYRUNxx The xx in the table name belongs to the person submitting the assignment.

The 2 tables will be loaded with data and through PL/SQL the tables will be ran and the tables updated. After the process the 2 tables will be run with `SELECT *` to show the results.

PRODUCTXX

Into prodxx you will copy 2 columns from your products table, `prod_no` and `qoh`, but the new columns will be called `prod_no`, and `qty`.

DAILYRUNXX

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

Product_no number (5)

Action char(1)

Amount number(4)

Whendate date

Status varchar(50)

It is loaded with the following data:

The status column will be left blank or NULL

40100	U	74	2024-03-01
40101	U	11	2024-03-01
40102	U	20	2024-04-01
60302	U	650	2024-04-01
40100	I	-4	2024-04-03
40100	I	10	2024-04-05
60302	I	20	2024-04-06
60303	I	10	2024-04-02
40105	I	30	2024-04-02
40105	I	-10	2024-04-02
40103	U	0	2024-04-01
40103	D		2024-04-02
50100	X	99	2024-04-01
50100	D		2024-04-02

In the action column

U is for update.

- If the product number already exists. The update changes the qty to this new value.
- if the product number does not exist, it is created by an insert.

D is for delete.

- If product number already exists, then the delete will occur
- If the product number does not exist on a delete, no action is taken other than to update status with a message like *Delete not done, ID does not exist*

I is for changes as stated below

- If the amount is positive increase the existing qty
- If the amount is negative decrease the existing qty
- If product number does not exist and amount is positive give a status do an insert
- If product number does not exist and amount is negative give a status of not done

Anything else is an incorrect operation code.

Your PL/SQL will run the DAILYRUNxx against the PRODUCTxx.

1. It will update the qty in PRODUCTxx as above
2. It will put an appropriate message in the status column in DAILYRUNxx for every row

There will be 2 SQL SELECT statements at the end of the script to show the new values in PRODUCTxx and DAILYRUNxx

THE VIDEO: This will be about 2 to 4 minutes. It will not run so fast that it is hard to see what has happened and not so slow that it becomes tiring to watch. Should it be narrated. That helps but again just the main points so the running of the program can be understood.

Do not forget to shoe everyone's name, student id and Oracle id at the end of the video.

