(CL-219) Database Systems Lab
Lab 10 Stored Procedures and Triggers Task

Note: Label the queries properly with its exercise number and do not submit (only) screenshots of the query.

Exercises

Table 1: Users [user_id (p.k)]

user_id	username	password	email
1	abc123	def321	abc123@yahoo.com
2	xyz789	asd123	xyz789@gmail.com

Table 2: Summary [id(p.k)]

id	total_users	Yahoo	Hotmail	Gmail
1	2	1	0	1

Create a database name person and create the tables above.

1. Write a procedure that take id, total_user, Yahoo, Hotmail, Gmail values as an input and insert the data into the table summary.
2. Write a procedure that take user_id, username, password, email values as an input and insert the data into the table Users.
3. Write a procedure that output the average value of yahoo
4. Write a procedure that output the min value of Gmail.
5. Write a procedure that output the max value of Hotmail.
6. Write a procedure that increment the total user by 1 when yahoo value is less than equal to Hotmail.
7. Create trigger(s) to update the records in the summary table. The summary table will contain only one record and will be updated each time a new entry is made to the users table, or a user is deleted from the users table. You need to create the following two triggers.
   I.   Whenever a new entry is made to the user's table then total_user attribute in the summary table must be incremented by 1.
   II. Whenever a record is deleted from the user's table then total_user attribute in the summary table must be decremented by 1.

Insert data in the users table (at least 5-10 records) with different email addresses using the stored procedure created in (Exercise 2).

Check the summary table each time you add a new user or delete a user to check if the trigger(s) are working correctly.