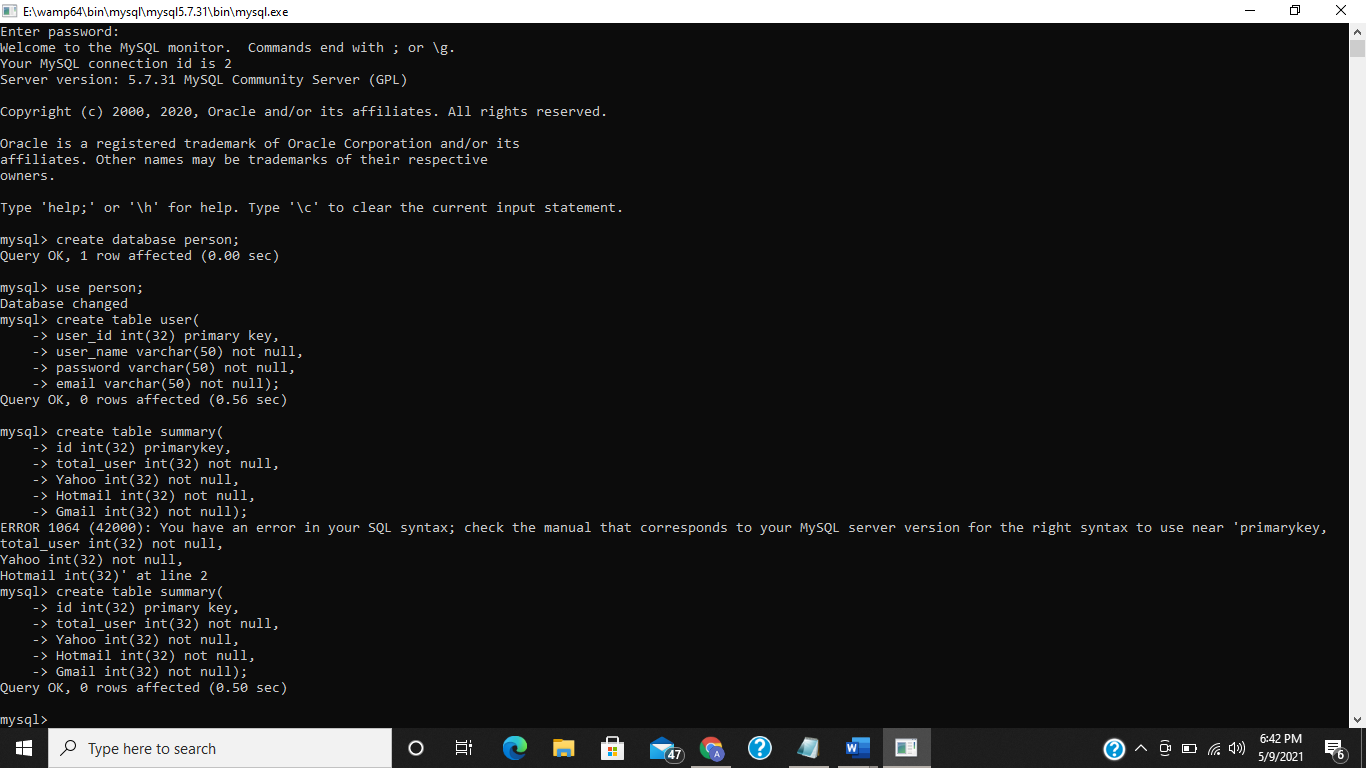
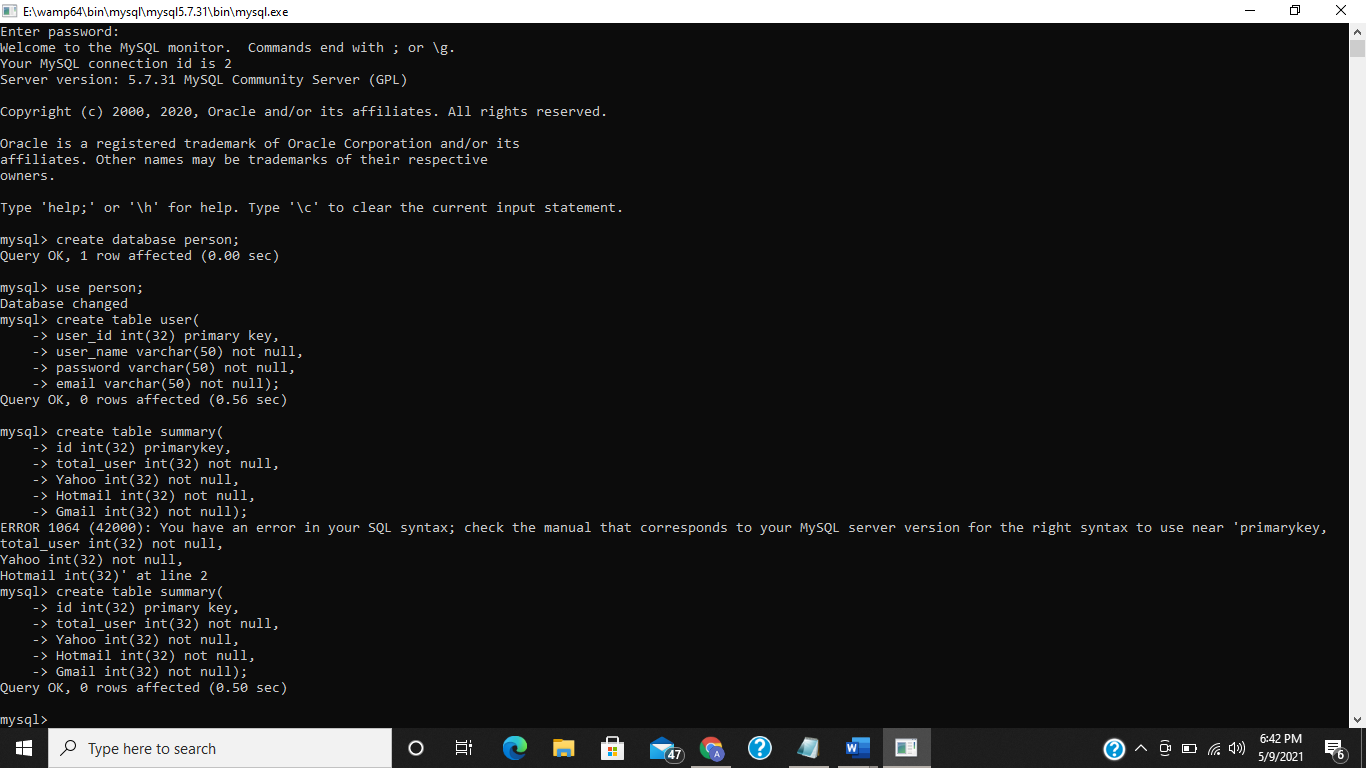


19P0012 AITZAZ TAHIR CH

DATA BASE LAB 10 SIR MUHAMMAD USMAN



**Create a database name person and create the tables above.**



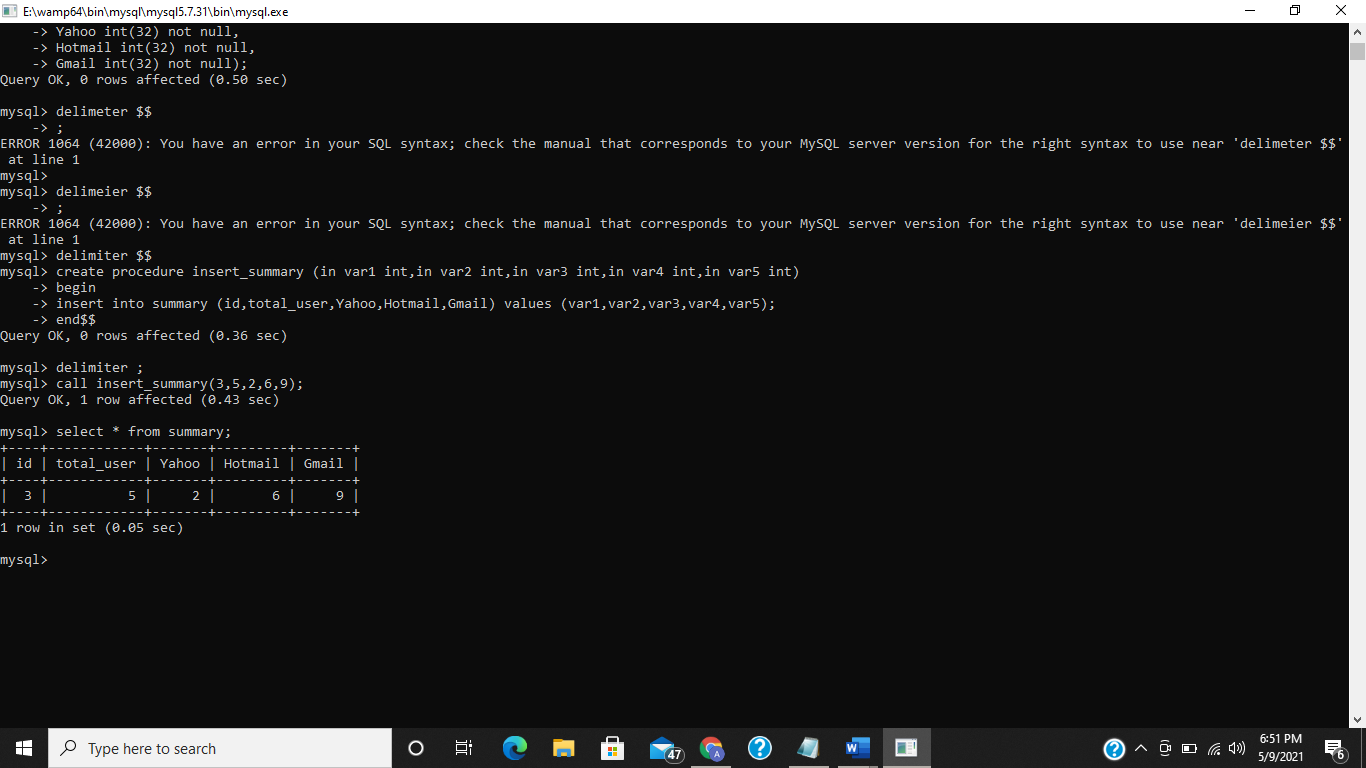
**1. Write a procedure that take id, total\_user, Yahoo, Hotmail, Gmail values as an input and insert the data into the table summary.**

create procedure insert\_summary (in var1 int,in var2 int,in var3 int,in var4 int,in var5 int)

-> begin

-> insert into summary (id,total\_user,Yahoo,Hotmail,Gmail) values (var1,var2,var3,var4,var5);

-> end$$

****

**2. Write a procedure that take user\_id, username, password, email values as an input**

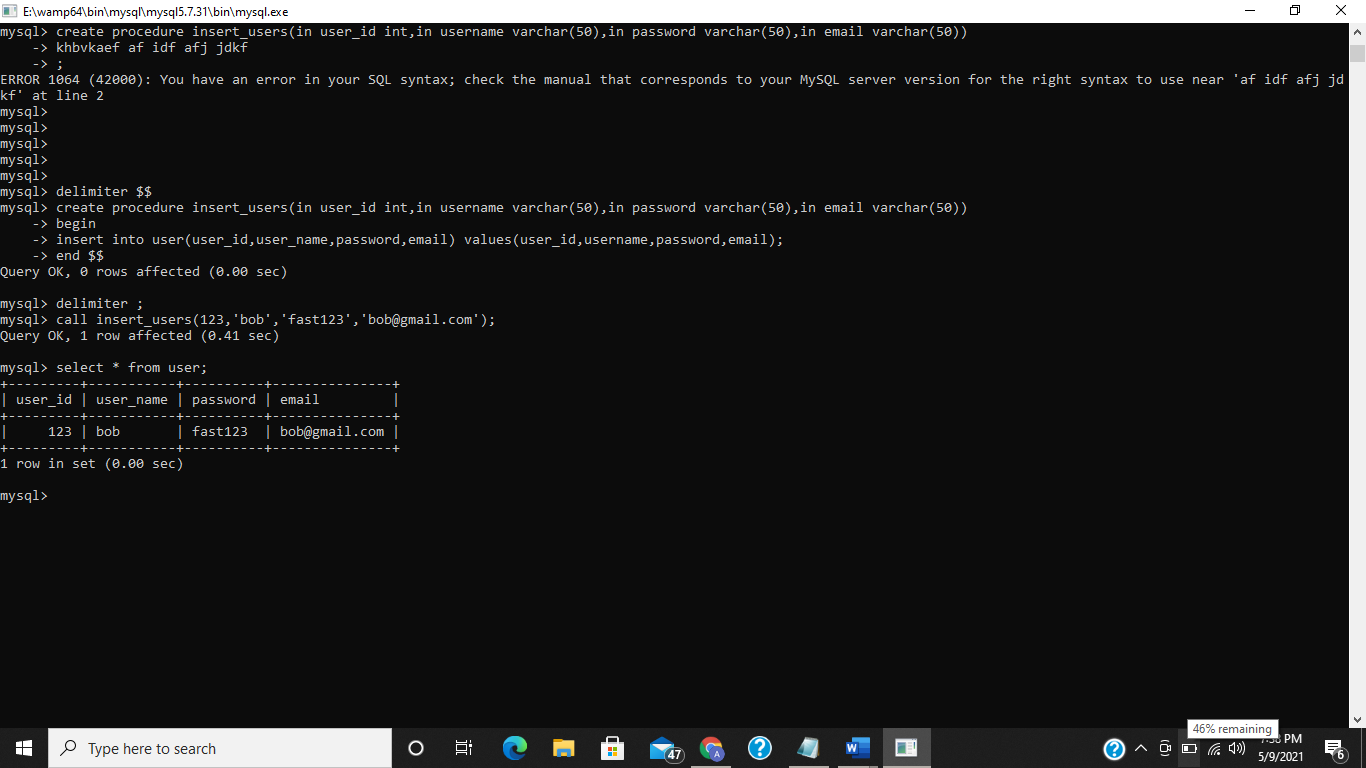
**and insert the data into the table Users.**

create procedure insert\_users(in user\_id int,in username varchar(50),in password varchar(50),in email varchar(50))

-> begin

-> insert into user(user\_id,user\_name,password,email) values(user\_id,username,password,email);

-> end $$



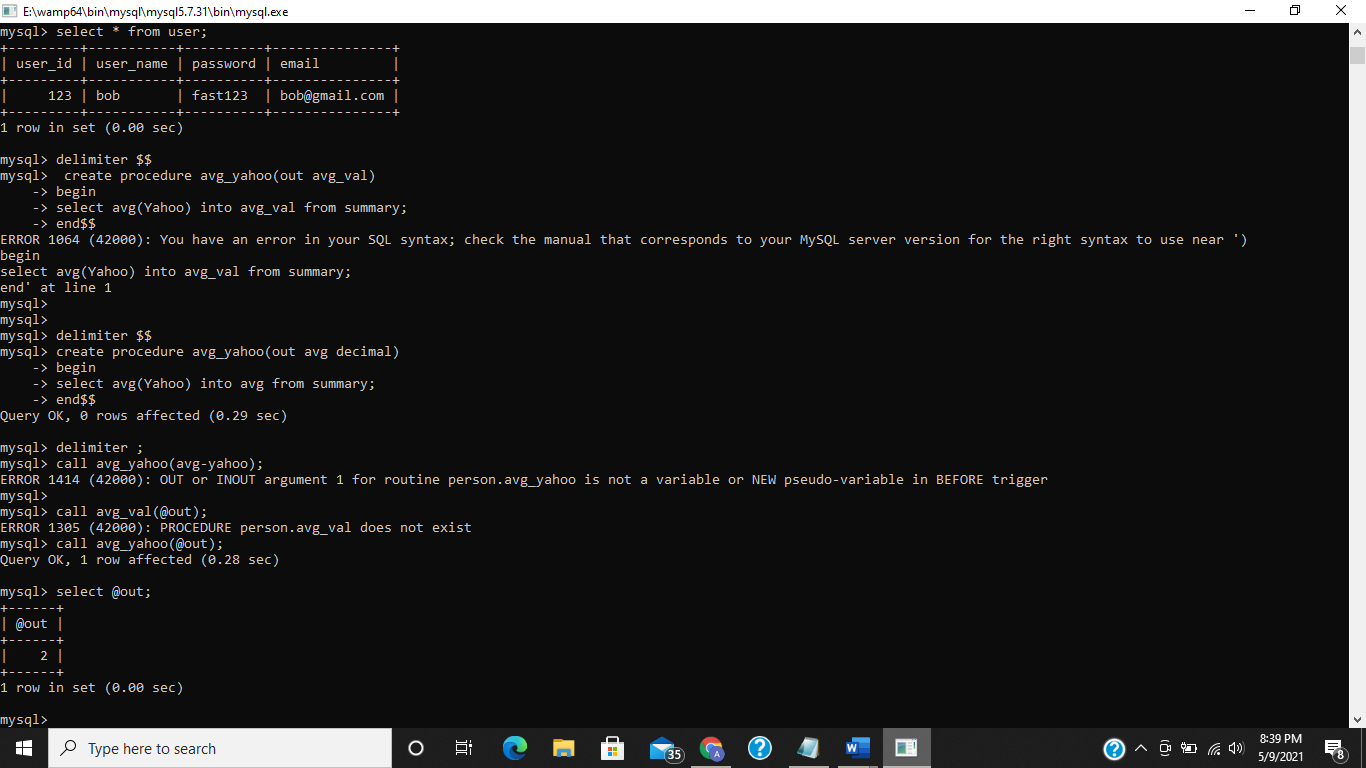
**3. Write a procedure that output the average value of yahoo.**

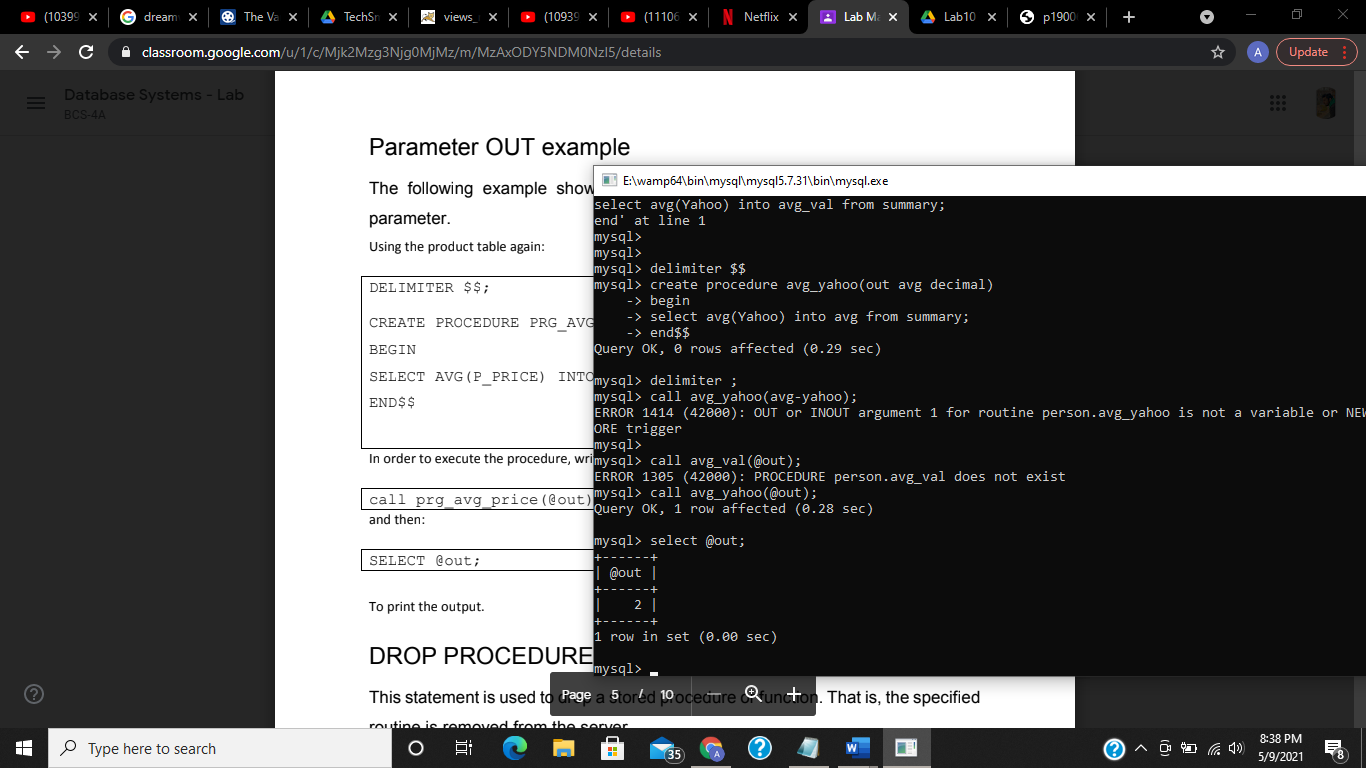
create procedure avg\_yahoo(out avg decimal)

-> begin

-> select avg(Yahoo) into avg from summary;

-> end$$





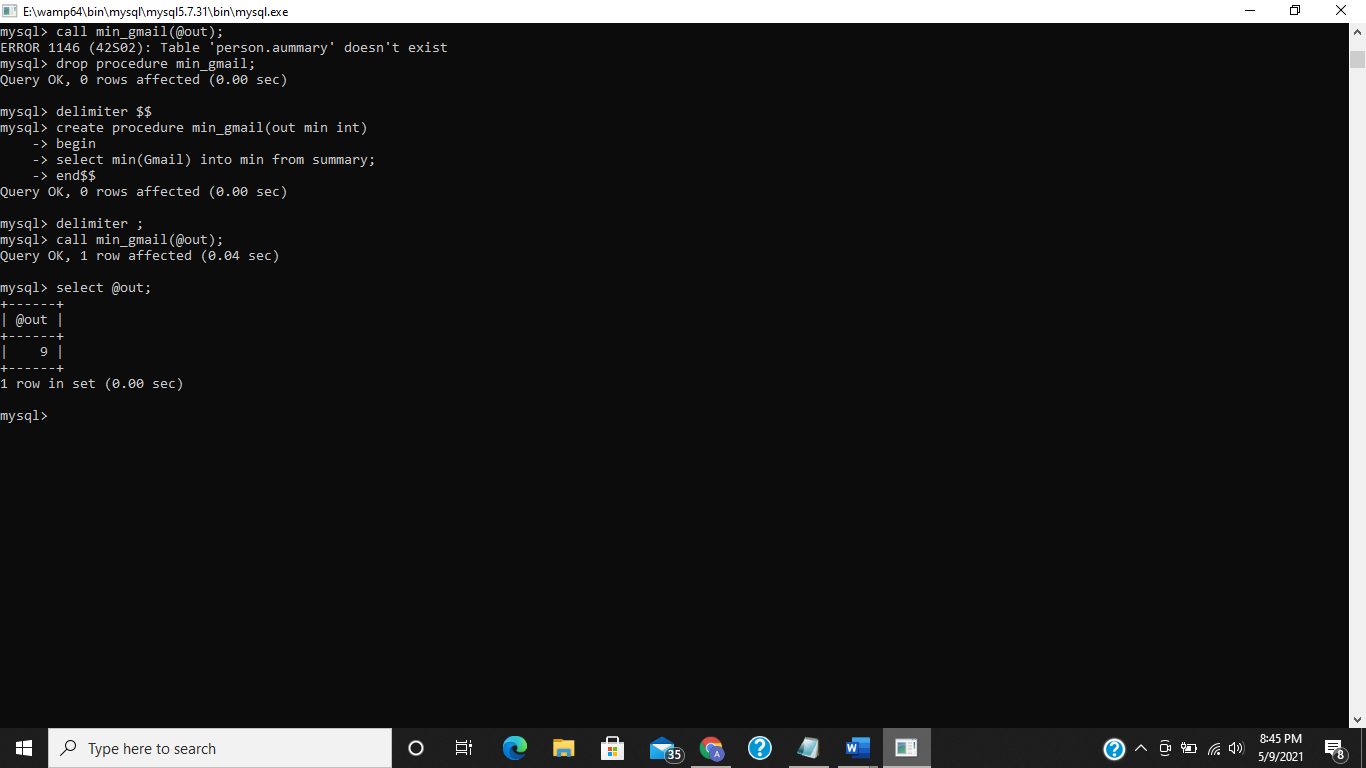
**4. Write a procedure that output the min value of Gmail.**

create procedure min\_gmail(out min int)

-> begin

-> select min(Gmail) into min from summary;

-> end$$



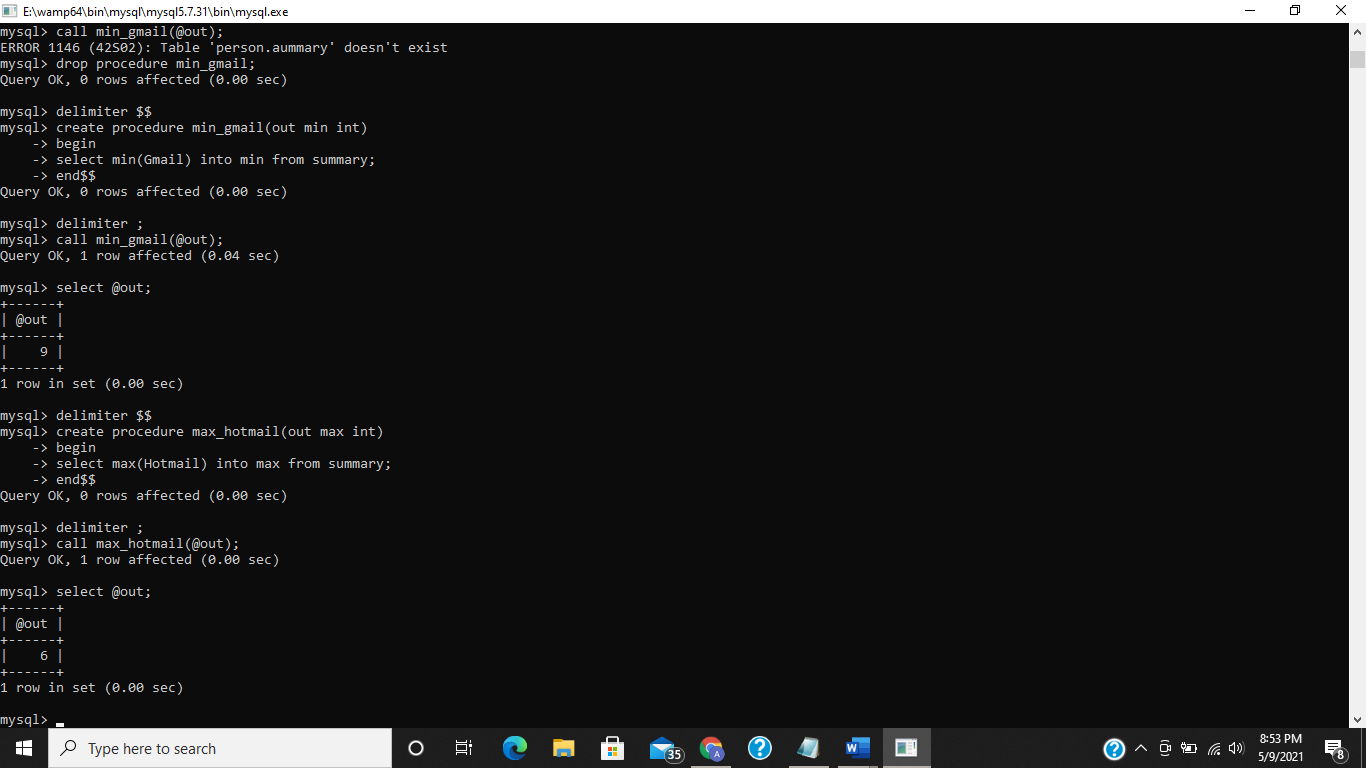
**5. Write a procedure that output the max value of Hotmail.**

create procedure max\_hotmail(out max int)

-> begin

-> select max(Hotmail) into max from summary;

-> end$$



**6. Write a procedure that increment the total user by 1 when yahoo value is less than equal to Hotmail.**

create procedure inc()

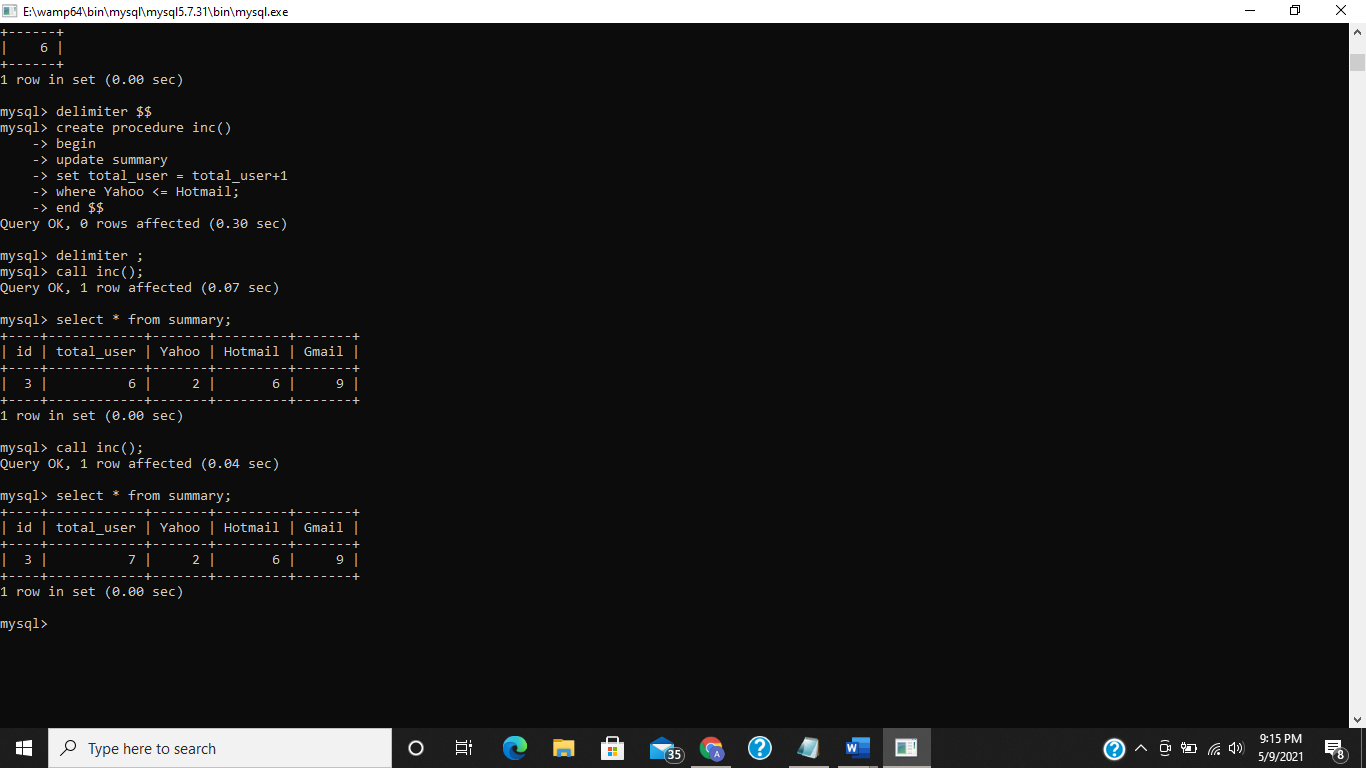
-> begin

-> update summary

-> set total\_user = total\_user+1

-> where Yahoo <= Hotmail;

-> end $$



**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**

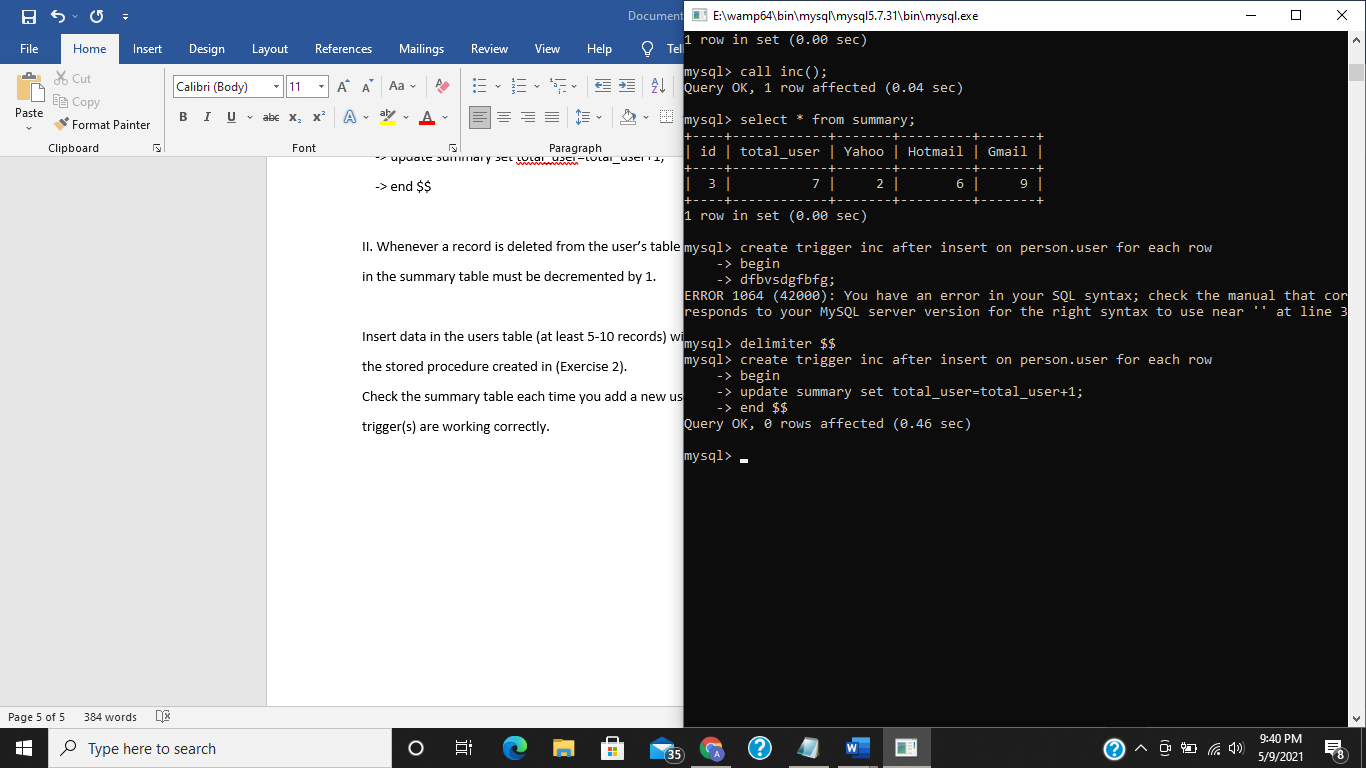
**the summary table must be incremented by 1.**

create trigger inc after insert on person.user for each row

-> begin

-> update summary set total\_user=total\_user+1;

-> end $$



**II. Whenever a record is deleted from the user’s table then total\_user attribute**

**in the summary table must be decremented by 1.**

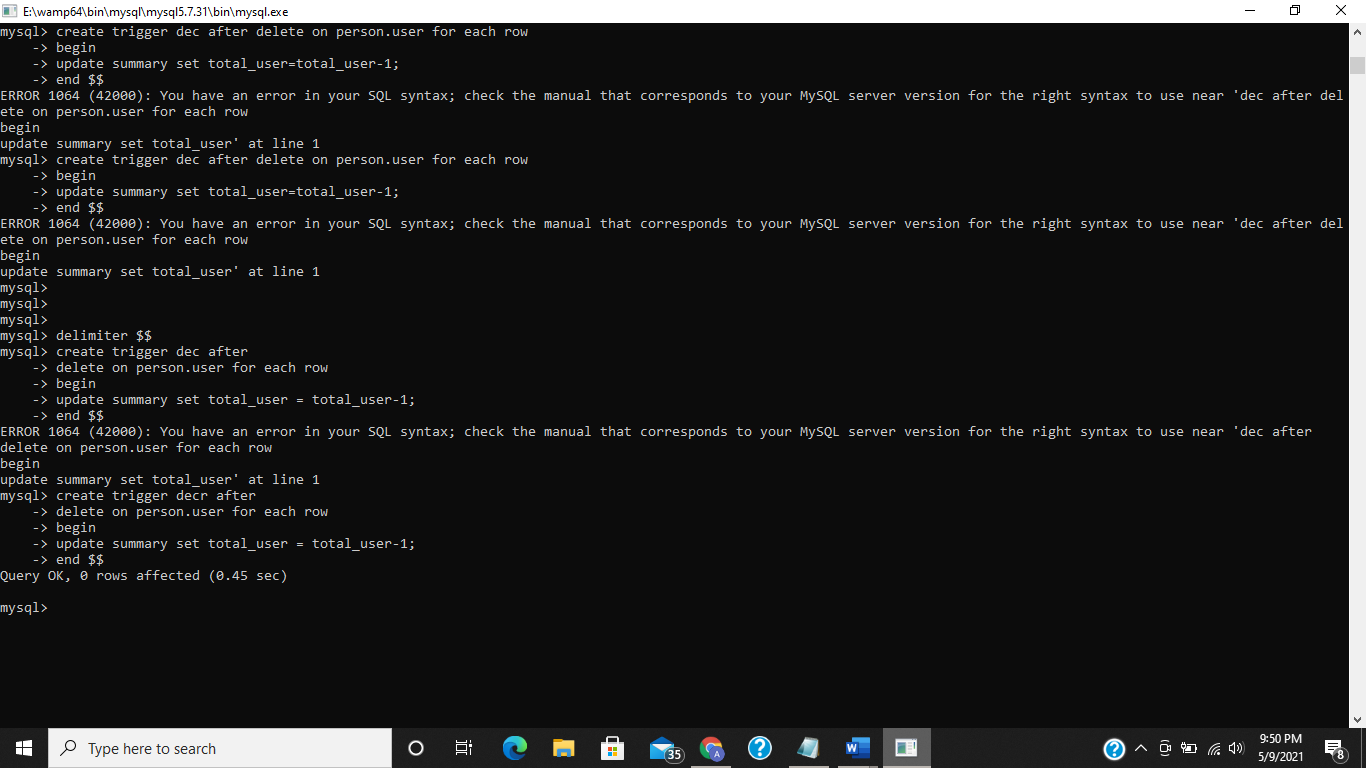
create trigger decr after

-> delete on person.user for each row

-> begin

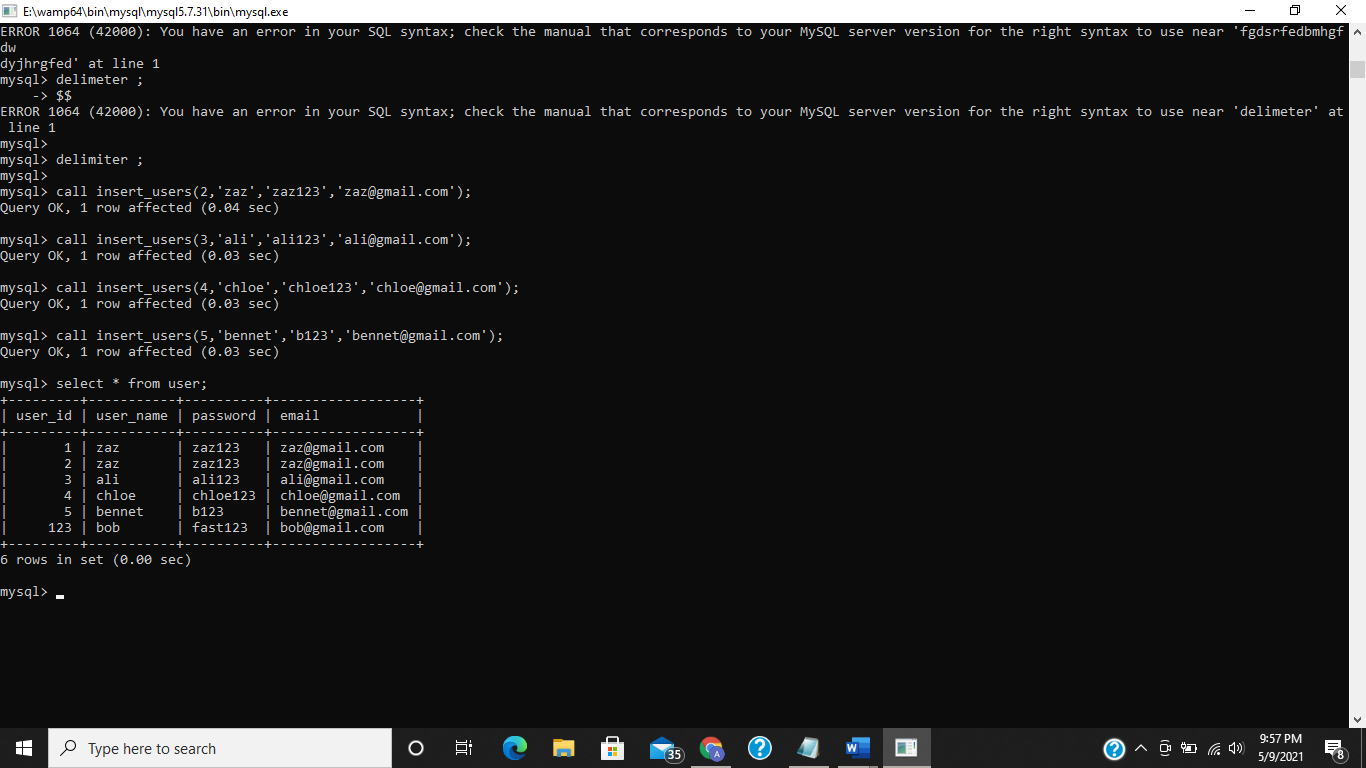
-> update summary set total\_user = total\_user-1;

-> end $$



**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.**

