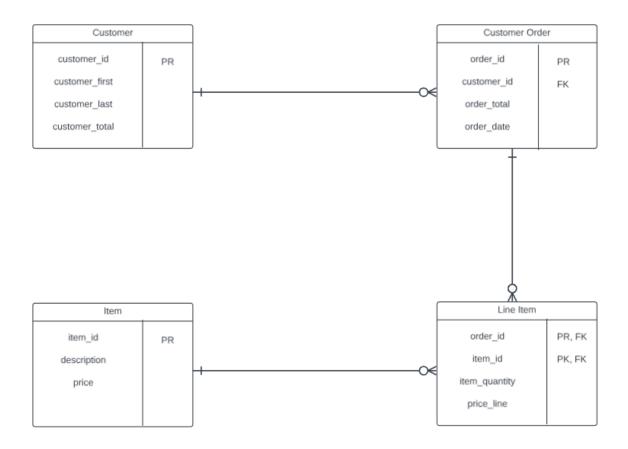


Lab 4 – Submission Sheet

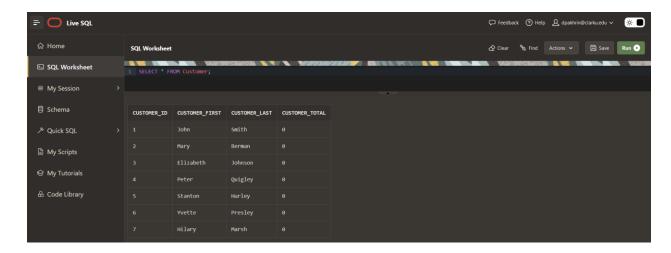
Section One

1. ERD

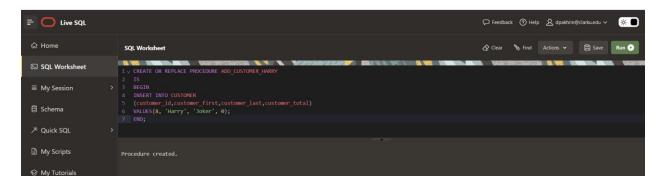




2. SELECT (Screen Shots)



3. CREATE PROCEDURE (Screen Shot)

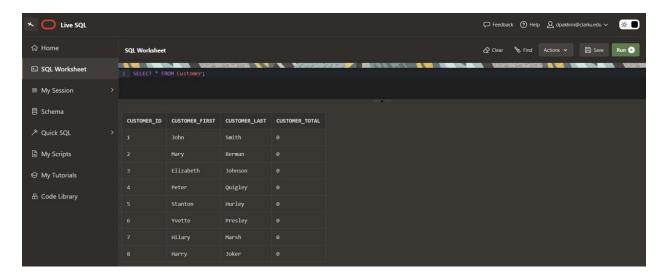


4. EXECUTE PROCEDURE (Screen Shot)





5. SELECT (Screen Shot)



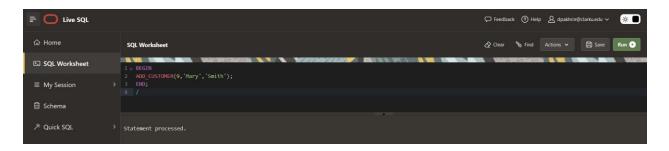
6. EXECUTE PROCEDURE (Screen Shot)



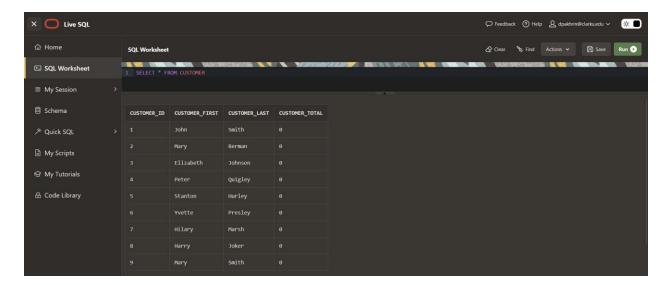
7. CREATE PROCEDURE (Screen Shot)



8. EXECUTE PROCEDURE (Screen Shot)



9. SELECT (Screen Shot)



10. CREATE PROCEDURE (Screen Shot)

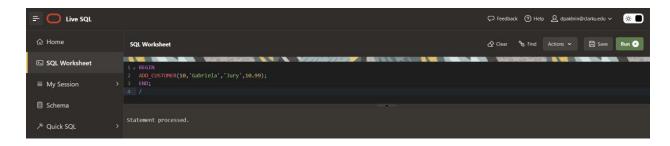
```
## Live SQL

## Home

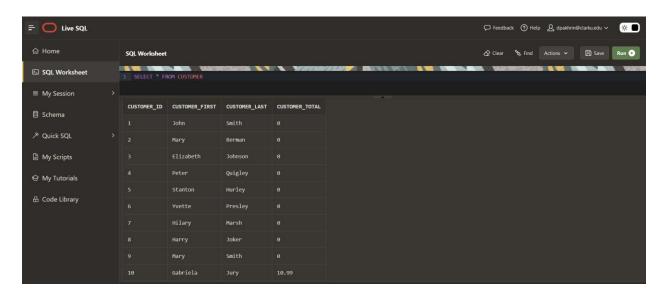
| SQL Worksheet | SQL W
```



11. EXECUTE PROCEDURE (Screen Shot)



12. SELECT (Screen Shot)

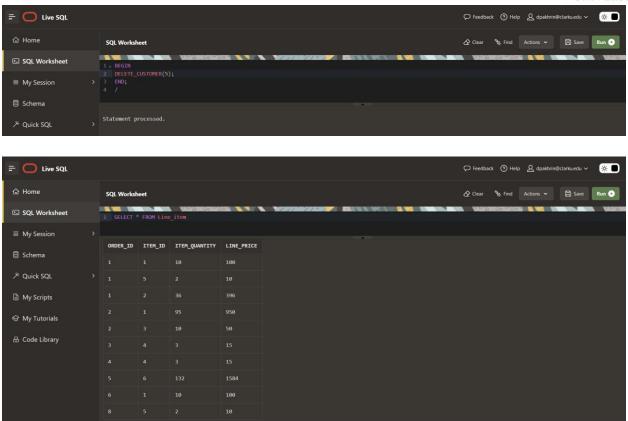


13. CREATE & EXECUTE PROCEDURE, VERIFY RESULTS (Screen Shots)

```
## Live SQL

| Dive SQL Worksheet | SQL Works
```





Section Two

14. CREATE TRIGGER (Screen Shot)

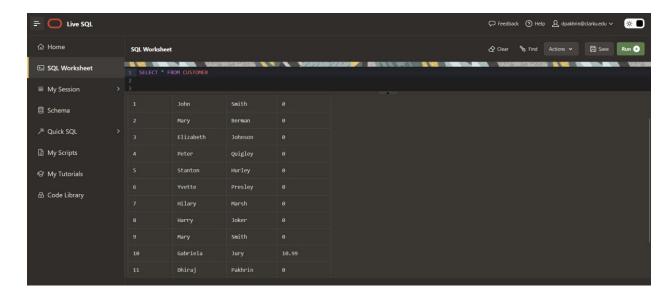




15. INSERT (Screen Shot)



16. SELECT (Screen Shot)



17. CREATE TRIGGER (Screen Shot)

```
E Live SQL

A Home

SQL Worksheet

1 ∨ CREATE OR REPLACE TRIGGER block_last_name

2 BEFORE UPDATE OR INSERT ON customer

3 FOR EACH ROW

4 BEGIN

5 IF : IREN.customer last = 'Glass' THEN

6 RAISE APPLICATION_ERROR(-2001, 'Customers with last name "Glass" are not allowed.');

P Quick SQL

My Scripts

Trigger created.

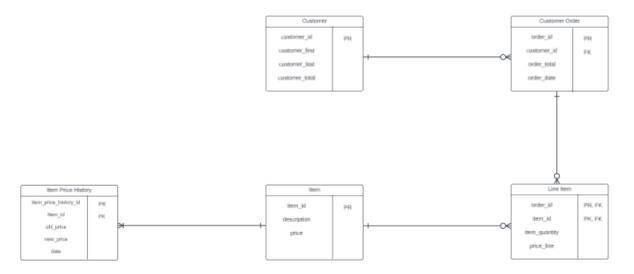
My My Tutorials
```



18. INSERT (Screen Shot)



19. UPDATED ERD



20. CREATE TRIGGER (Screen Shot and Logic Explanation)

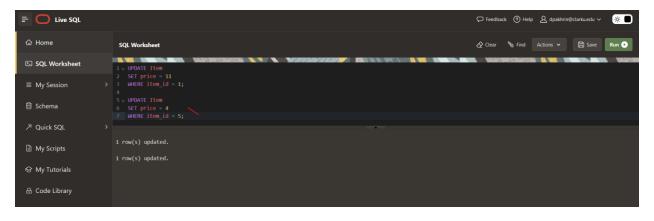


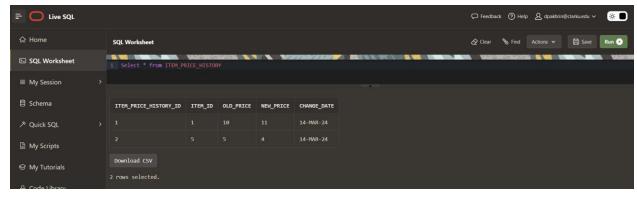




Firstly, we create a new table named item_price_history to store value of price being changed in the item table. After that, we define the trigger named item_price_update trg which is called after the price of the items in the item table is updated. It inserts the record to the item_price_history table whenever it item_price_update_trg is triggered.

21. Price Change and Item_price_history







Here, the price of the plate and spoon is updated to the new value 11 and 4 respectively. Since it is updated, it calls the trigger item_price_update_trg which is defined in problem 20. Inside the block of this trigger, insert query is defined which records the item_price_history_id, item_id, old_price, new_price, and change_date of the items which is being displayed in using the select query.