FACULTY OF COMPUTING
UTM Johor Bahru

SECD2523
SECTION
10
LECTURER: ROZILAWATI BINTI DOLLAH @ MD ZAIN

PROJECT TITLE:

SQL LAB2
(DML1)
PART2

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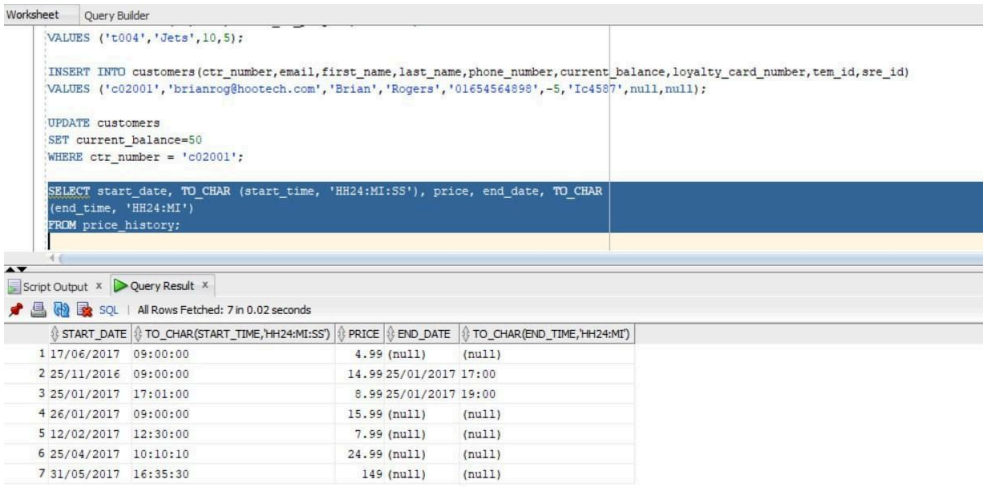
Part 1- Updating rows to the system

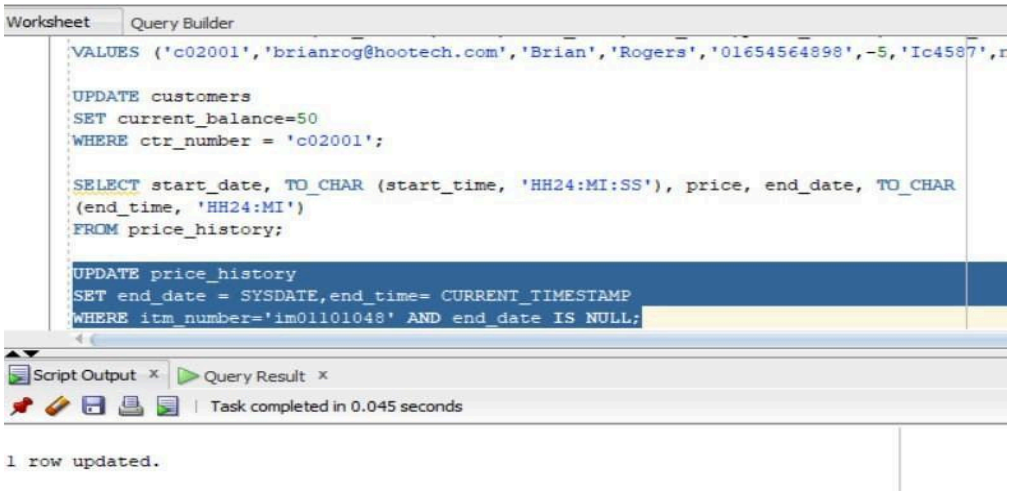
1. Run the following query to view the content of the price_history table:

SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI')
FROM price_history;



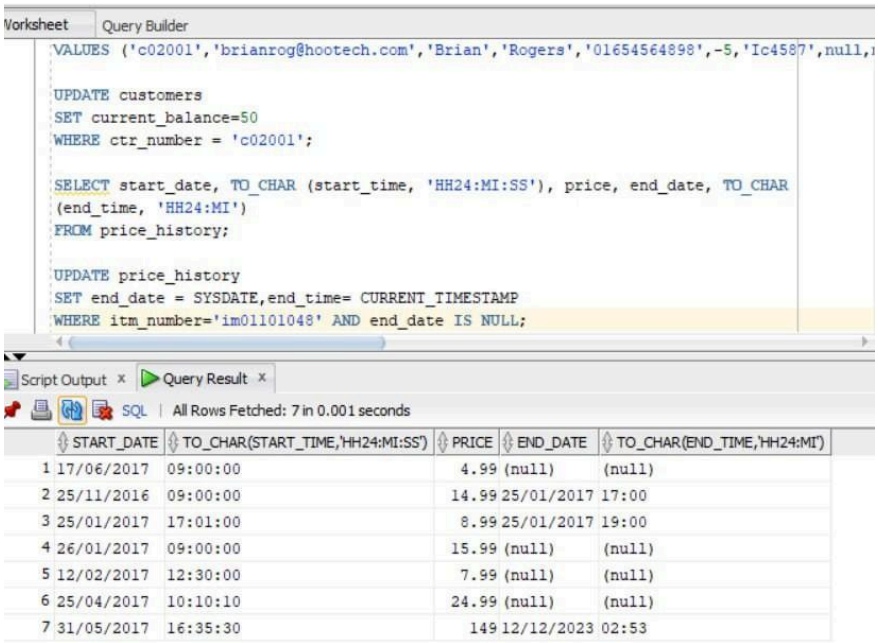
2. Obl is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end_date and end_time fields. To run this query you will need to both match the item number and identify that the end date is null. This ensures that you are updating the latest price.

UPDATE price_history
SET end_date =SYSDATE,end_time=CURRENT_TIMESTMAP
WHERE itm_number =’im01101048’ AND end_date IS NULL;



3. Rerun the select statement on the price_history table to ensure that the statement has been executed.

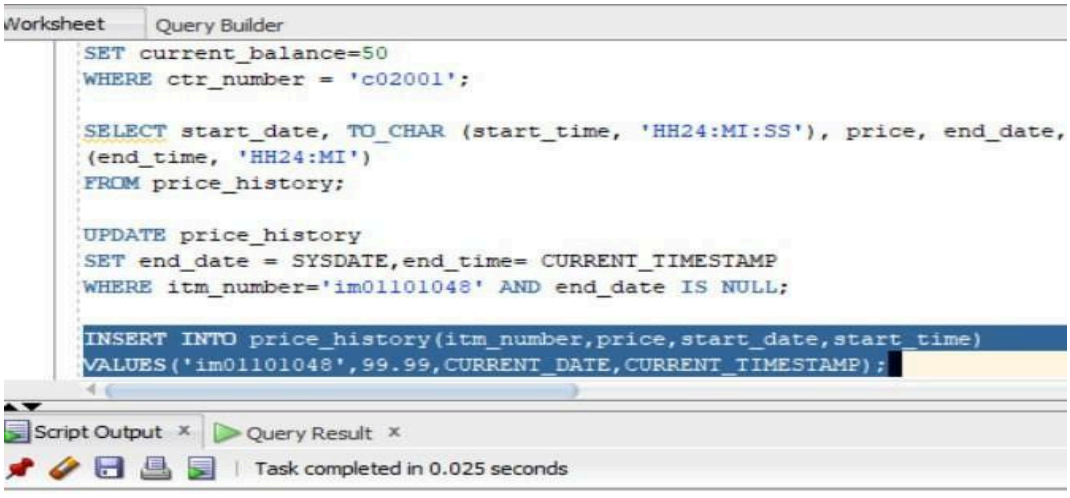
```
SELECT*
FROM price_history;
```



	START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
1	17/06/2017	09:00:00	4.99	(null)	(null)
2	25/11/2016	09:00:00	14.99	25/01/2017	17:00
3	25/01/2017	17:01:00	8.99	25/01/2017	19:00
4	26/01/2017	09:00:00	15.99	(null)	(null)
5	12/02/2017	12:30:00	7.99	(null)	(null)
6	25/04/2017	10:10:10	24.99	(null)	(null)
7	31/05/2017	16:35:30	149	12/12/2023	02:53

4. Insert a new row that will use the current date and time to set the new price of the premium bat to be 99.99.

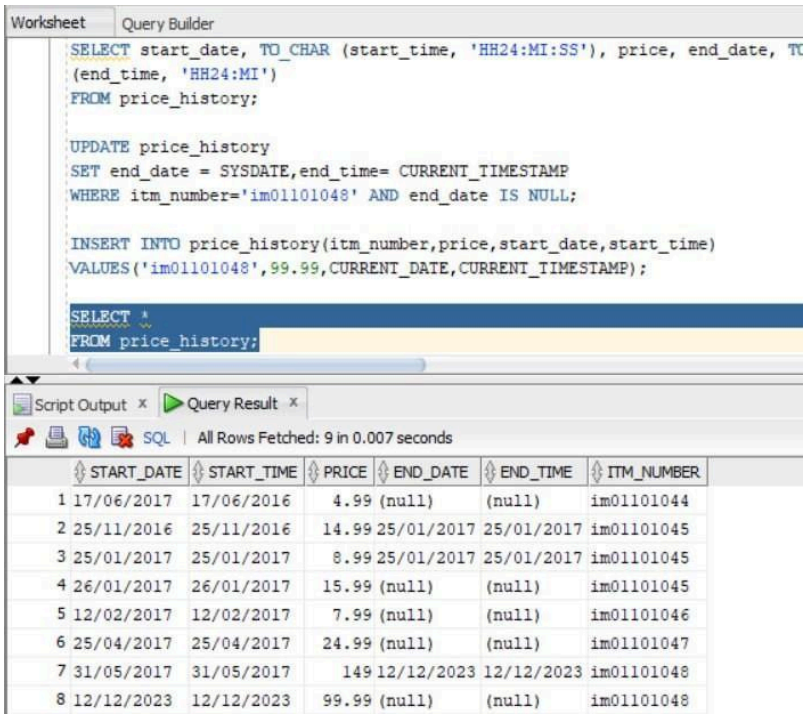
```
INSERT INTO price_history(itm_number,price,start_date,start_time)
VALUES('im01101048',99.9,CURRENT_DATE,CURRENT_TIMESTAMP);
```




```
1 row inserted.
```

5. Rerun the select statement on the price_history table to ensure that the statement has been executed

```
SELECT *
FROM price history;
```

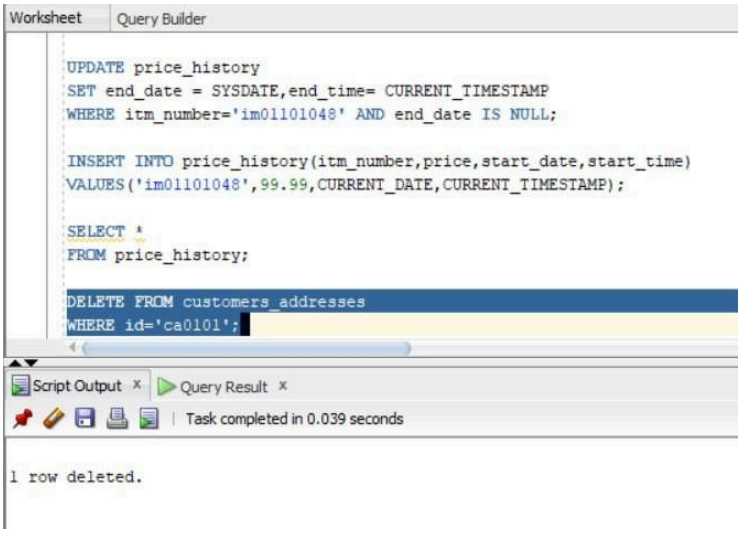


	START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
1	17/06/2017	17/06/2016	4.99	(null)	(null)	im01101044
2	25/11/2016	25/11/2016	14.99	25/01/2017	25/01/2017	im01101045
3	25/01/2017	25/01/2017	8.99	25/01/2017	25/01/2017	im01101045
4	26/01/2017	26/01/2017	15.99	(null)	(null)	im01101045
5	12/02/2017	12/02/2017	7.99	(null)	(null)	im01101046
6	25/04/2017	25/04/2017	24.99	(null)	(null)	im01101047
7	31/05/2017	31/05/2017	149	12/12/2023	12/12/2023	im01101048
8	12/12/2023	12/12/2023	99.99	(null)	(null)	im01101048

Part 2: Deleting rows from the system

1. Bob Thornberry has contacted Obl to ask that the 83 Barrhill Drive address be removed from the system as he can longer receive parcels at this address. Write a SQL statement that will remove this address from the system.

```
DELETE FROM customers_addresses
WHERE id=’ca0101’;
```



2. Run a select statement on the customers_addresses table to ensure that the statement has been executed.

```
SELECT*
FROM customers_addresses;
```