



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
UTM Johor Bahru

SECD 2523 – DATABASE
SEMESTER I 2023/2024

SECTION: 10

LAB 2 DML-1

PART 2

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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;**

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	-	-
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	-	-

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

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 (start_date, start_time, price, itm_number)
VALUES (SYSDATE, CURRENT_TIMESTAMP, 99.99, 'im01101048');
5. Rerun the select statement on the price_history table to ensure that the statement has been executed.
SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date,
TO_CHAR(end_time, 'HH24:MI')
FROM price_history;

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 no longer receive parcels at this address. Write a SQL statement that will remove this address from the system.
DELETE FROM customer_addresses
WHERE id = 'ca0101';
2. Run a select statement on the customers_addresses table to ensure that the statement has been executed.
SELECT *
FROM customer_addresses;