



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UNIVERSITI TEKNOLOGI MALAYSIA (UTM), JOHOR BAHRU

SECD2523-03

DATABASE SECT 03

TITLE:

LAB EXERCISE 2 - PART 2

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DATE OF SUBMISSION:

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DML Exercise Part 2

PART 1: Updating rows to the system

Q1: Run the following query to view the content of the price_history table:

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	-	-

Q2: 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.

Q3: Rerun the select statement on the price_history table to ensure that the statement has been executed.

```
UPDATE price-history
SET end_date = SYSDATE, end_time = SYS_TIMESTAMP
WHERE itm_number = 'im01101048' AND end_date IS NULL;

SELECT * FROM price-history;
```

START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
17-JUN-17	17-JUN-16 09.00.00.000000 AM	4.99	-	-	im01101044
25-NOV-16	25-NOV-16 09.00.00.000000 AM	14.99	25-JAN-17	25-JAN-17 05.00.00.000000 PM	im01101045
25-JAN-17	25-JAN-17 05.01.00.000000 PM	8.99	25-JAN-17	25-JAN-17 07.00.00.000000 PM	im01101045
26-JAN-17	26-JAN-17 09.00.00.000000 AM	15.99	-	-	im01101045
12-FEB-17	12-FEB-17 12.30.00.000000 PM	7.99	-	-	im01101046
25-APR-17	25-APR-17 10.10.10.000000 AM	24.99	-	-	im01101047
31-MAY-17	31-MAY-17 04.35.30.000000 PM	149	08-NOV-23	08-NOV-23 02.47.36.984277 PM	im01101048

Q4: 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.

Q5: Rerun the select statement on the price_history table to ensure that the statement has been executed.

```
INSERT INTO price-history (start_date, start_time, price, itm_number)
VALUES (SYSDATE, SYS_TIMESTAMP, 99.99, 'im01101048');

SELECT * FROM price-history;
```

START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
17-JUN-17	17-JUN-16 09.00.00.000000 AM	4.99	-	-	im01101044
25-NOV-16	25-NOV-16 09.00.00.000000 AM	14.99	25-JAN-17	25-JAN-17 05.00.00.000000 PM	im01101045
25-JAN-17	25-JAN-17 05.01.00.000000 PM	8.99	25-JAN-17	25-JAN-17 07.00.00.000000 PM	im01101045
26-JAN-17	26-JAN-17 09.00.00.000000 AM	15.99	-	-	im01101045
12-FEB-17	12-FEB-17 12.30.00.000000 PM	7.99	-	-	im01101046
25-APR-17	25-APR-17 10.10.10.000000 AM	24.99	-	-	im01101047
31-MAY-17	31-MAY-17 04.35.30.000000 PM	149	08-NOV-23	08-NOV-23 02.47.36.984277 PM	im01101048
08-NOV-23	08-NOV-23 02.59.29.732897 PM	99.99	-	-	im01101048

PART 2: Deleting rows from the system

Q1: 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.

Q2: Run a select statement on the customers_addresses table to ensure that the statement has been executed.

```
DELETE FROM customers_addresses  
WHERE address_line_1 = '83 Barrhill Drive';  
  
SELECT * FROM customers_addresses;
```

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
ca0104	36 Watercress Lane	-	Jump	JP23YTH	c01986
ca0105	63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001