



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SESSION 2023/20204 SEMESTER 1

SECD2523
DATABASE

LAB EXERCISE: SQL DML 1

LECTURER NAME:
DR. ROZILAWATI BINTI DOLLAH

SECTION:
10

NAME:
MUHAMAD HAFIZ BIN MOHD FAUZI

MATRIC NO:
A22EC0196

PART 1

1.

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

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	-	-

7 rows returned in 0.01 seconds [Download](#)

2.

```
1 UPDATE price_history
2 SET end_date = SYSDATE, end_time = SYSDATE
3 WHERE itm_number = 'im01101048' AND end_date IS NULL;
```

Results	Explain	Describe	Saved SQL	History
1 row(s) updated.				
0.01 seconds				

3.

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

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	12/09/2023	18:01

7 rows returned in 0.01 seconds [Download](#)

4.

```
1 INSERT INTO price_history (start_date, start_time, price, itm_number)
2 VALUES (SYSDATE, SYSDATE, 99.99, 'im01101048');
3
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) inserted.

0.01 seconds

5.

```
1 SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR(end_time, 'HH24:MI')
2 FROM price_history;
3
```

Results

ExplainDescribeSaved SQLHistory

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	12/09/2023	18:01
12/09/2023	18:04:19	99.99	-	-

8 rows returned in 0.00 secondsDownload

PARR 2:

1.

```
1 DELETE FROM customers_addresses
2 where id = 'ca0101';
```

Results Explain Describe Saved SQL History

1 row(s) deleted.

0.01 seconds

2.

```
1 SELECT *
2 FROM customers_addresses;
```

Results Explain Describe Saved SQL History

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JH-K	c00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
ca0104	36 Watercress Lane	-	Jump	JP23YTH	c01986
ca0105	63 Acacia Drive	Skins	Liverpool	LP83JH-R	c00001

4 rows returned in 0.00 seconds [Download](#)