

SECD2523-Database

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section : 06

Title: Lab 2 - SQL2 - DML I - PART1 Section 6 Lesson 4 Exercise 1: Data Manipulation Language

Part 1: Running a script to populate the tables

1. i. inventory-list
 - ii. items
 - iii. price-history
 - iv. sales-representatives
 - v. sales-rep-addresses
 - vi. teams
 - vii. customers
 - viii. customers-addresses
 - ix. orders
 - x. ordered-items
- order to fill in
the tables
2. Yes, my list matched with the order the data being added into the tables in "sports data.sql".

3.

Number ↑	Elapsed	Statement	Feedback	Rows
1	0.46	INSERT INTO inventory_list (id, cost, units) VALUES(1101023)	1 row(s) inserted.	1
2	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(1101023)	1 row(s) inserted.	1
3	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(1101023)	1 row(s) inserted.	1
4	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(1101023)	1 row(s) inserted.	1
5	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(1101023)	1 row(s) inserted.	1
6	0.04	INSERT INTO items (itm_number, name, description, category,	1 row(s) inserted.	1
7	0.00	INSERT INTO items (itm_number, name, description, category,	1 row(s) inserted.	1
8	0.00	INSERT INTO items (itm_number, name, description, category,	1 row(s) inserted.	1
9	0.01	INSERT INTO items (itm_number, name, description, category,	1 row(s) inserted.	1
10	0.00	INSERT INTO items (itm_number, name, description, category,	1 row(s) inserted.	1
11	0.03	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
12	0.01	INSERT INTO price_history (start_date, start_time, price, en	1 row(s) inserted.	1
13	0.00	INSERT INTO price_history (start_date, start_time, price, en	1 row(s) inserted.	1
14	0.00	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
15	0.00	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1

Download row(s) 1 - 15 of 47 Next ▶

47 47 0

Statements Processed Successful With Errors

4. No error was found when running the script.

Part 2: Inserting rows to the system

1. `INSERT INTO teams (id, name, number_of_players, discount)
VALUES ('t004', 'Jets', 10, 5);`

The screenshot shows the SQL tab of Oracle SQL Developer with the following content:

```
Language SQL Rows 10 Clear Command Find Tables
1 INSERT INTO teams (id, name, number_of_players, discount)
2 VALUES ('t004', 'Jets', 10, 5);

Results Explain Describe Saved SQL History
1 row(s) inserted.
0.02 seconds
```

Below the SQL tab, the TEAMS table is displayed in the Data tab:

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	
t004	Jets	10	5

2. `INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
current_balance, sre_id, tem_id, loyalty_card_number)
VALUES ('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', -5, NULL,
NULL, 'lc4587');`

The screenshot shows the SQL tab of Oracle SQL Developer with the following content:

```
Language SQL Rows 10 Clear Command Find Tables
1 INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number)
2 VALUES ('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', -5, NULL, NULL, 'lc4587');

Results Explain Describe Saved SQL History
ORA-02290: check constraint (WKSP_DATABASE$IAHAOTAM.CURRENT_BALANCE_CHECK) violated
0.00 seconds
```

No.:

Date:

3. INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number)
VALUES ('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', 50, NULL, NULL, 'lc4587');

Language SQL ? Rows 10 ? Clear Command Find Tables

5 C Q A:

```
1 INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number)
2 VALUES ('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', 50, NULL, NULL, 'lc4587');
```

Results Explain Describe Saved SQL History

1 row(s) inserted.

0.01 seconds

CUSTOMERS

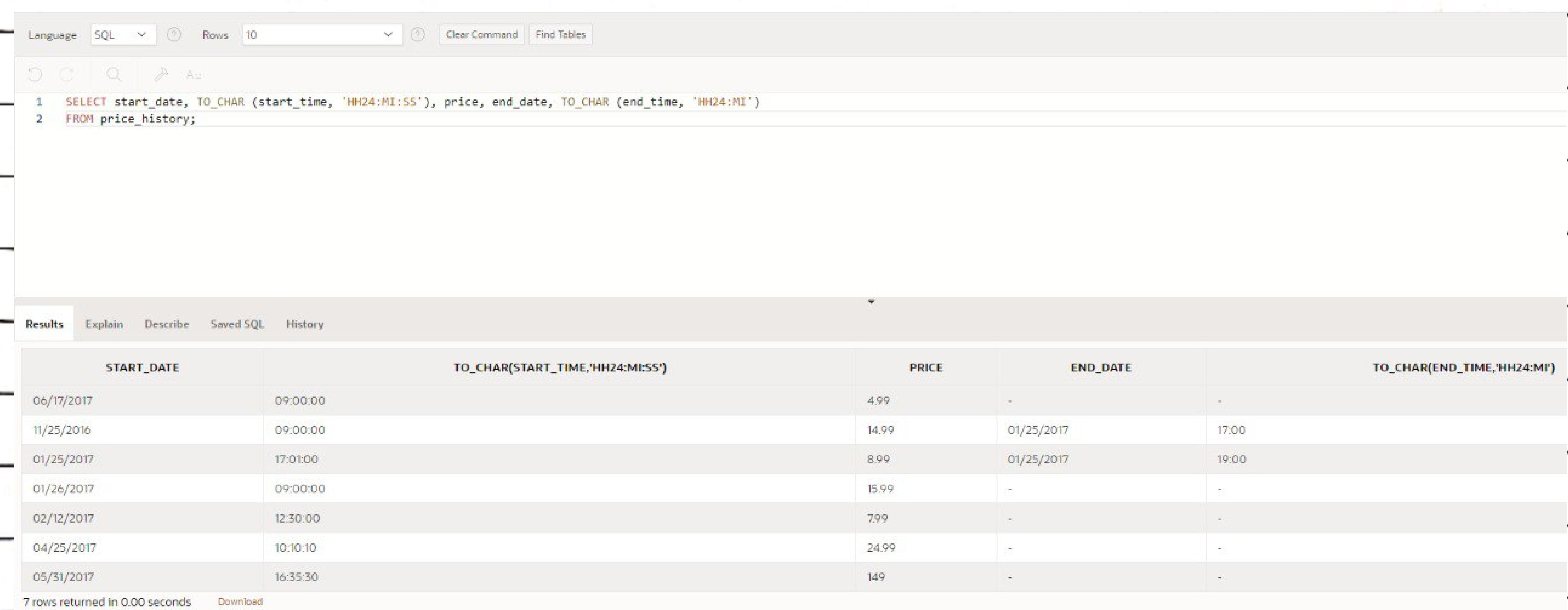
CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatma...	Robert	Thornberry	01234567898	150	sr01	t001	
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0			lc1015
c00101	unknown@here.com	John	Doe	03216547808	9875	sr01	t002	
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85			lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	
c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50			lc4587

Title: Lab 2 - SQL 2 - DML I - PART 2 | Section 6 Lesson 4 Exercise 2: Data Manipulation

Language

Part 1: Updating rows to the system

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

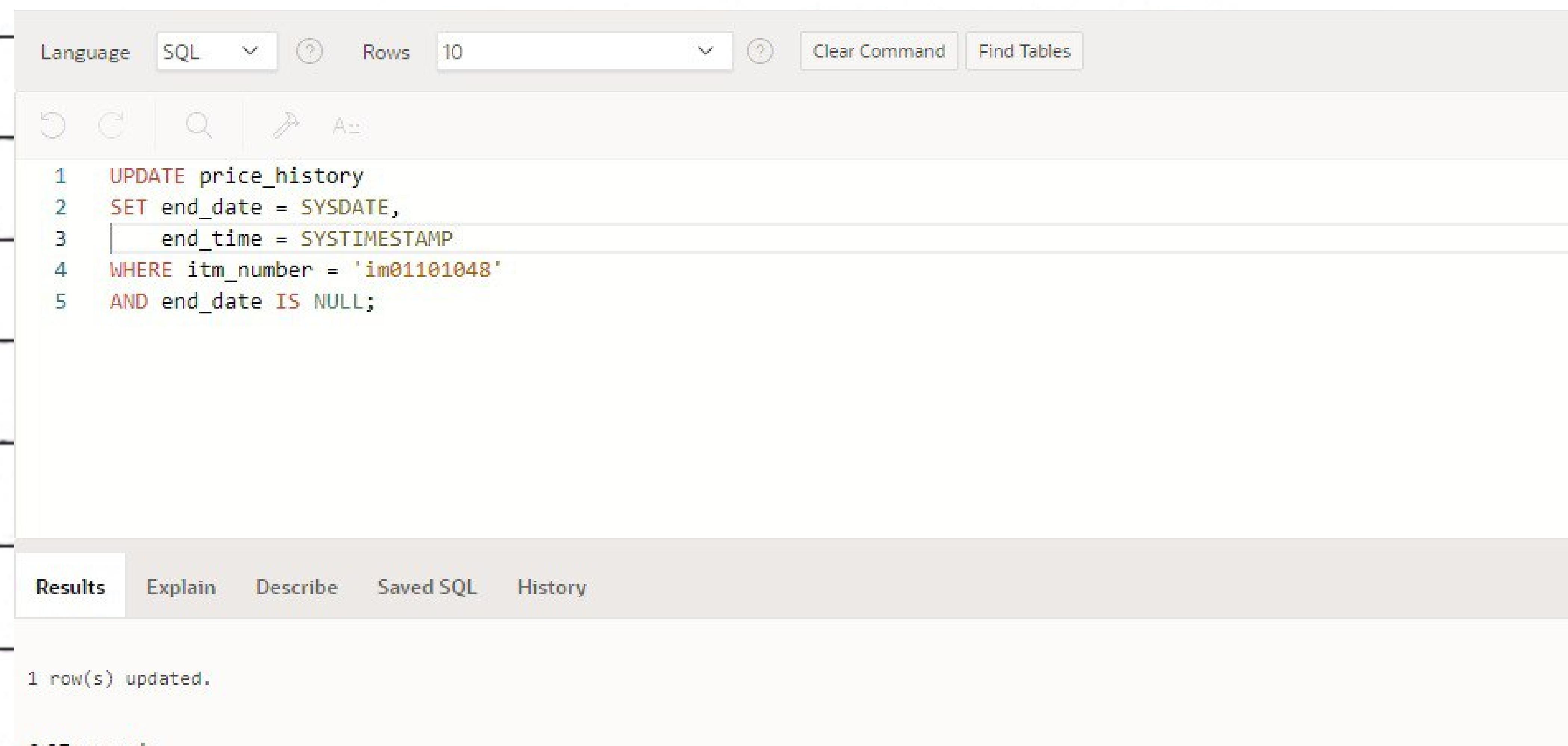


The screenshot shows a SQL query results table with the following columns: START_DATE, TO_CHAR(START_TIME,'HH24:MI:SS'), PRICE, END_DATE, and TO_CHAR(END_TIME,'HH24:MI'). The data is as follows:

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 0.00 seconds. Download

2. `UPDATE price_history
SET end_date = SYSDATE,
end_time = SYSTIMESTAMP
WHERE itm_number = 'im01101048'
AND end_date is NULL;`



The screenshot shows a SQL command window with the following command:

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

The results section shows:

- 1 row(s) updated.
- 0.03 seconds

No.:

Date:

3.

Language SQL Rows 10 Clear Command Find Tables

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

Results Explain Describe Saved SQL 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	799	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	11/09/2023	18:30

7 rows returned in 0.00 seconds Download

4. `INSERT INTO price_history (start_date, start_time, price, item_number)
VALUES (SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');`

Language SQL Rows 10 Clear Command Find Tables

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

Results Explain Describe Saved SQL History

1 row(s) inserted.
0.01 seconds

No.:

Date:

5.

Language SQL Rows 10 Clear Command Find Tables

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

Results Explain Describe Saved SQL 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	11/09/2023	18:36
11/09/2023	18:43:17	99.99	-	-

8 rows returned in 0.00 seconds Download

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

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

No.:

Date:

Part 2: Deleting rows from the system

1. DELETE FROM customers_address

WHERE address_line_1 = '83 Barrhill Drive';

Language SQL Rows 10 Clear Command Find Tables

1 DELETE FROM customers_addresses
2 WHERE address_line_1 = '83 Barrhill Drive';

Results Explain Describe Saved SQL History

1 row(s) deleted.
0.03 seconds

2. SELECT * FROM customers_addresses;

Language SQL Rows 10 Clear Command Find Tables

1 SELECT * 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	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

4 rows returned in 0.01 seconds Download