

SQL2 - DML Part 1

Part 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

2. Yes

3.

APEX SQL Workshop | Script: lab2 | Status: Complete | Rows: 15

Number	Elapsed	Statement	Feedback	Rows
1	0.03	INSERT INTO inventory_list (id, cost, units) VALUES('101023	1 row(s) inserted.	1
2	0.01	INSERT INTO inventory_list (id, cost, units) VALUES('101023	1 row(s) inserted.	1
3	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('101023	1 row(s) inserted.	1
4	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('101023	1 row(s) inserted.	1
5	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('101023	1 row(s) inserted.	1
6	0.02	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	0.00	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	0.02	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
12	0.00	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

4.

47	47	0
Statements Processed	Successful	With Errors
samsung8102929@gmail.com	mz	en
Copyright © 1999, 2023, Oracle and/or its affiliates.		
Oracle APEX 23.2.0-20		

Part 2

1. Insert Into teams

VALUES ('t004', 'Jets', 10, 5)

APEX SQL Workshop Team Development Gallery

Schema: WKSP_MZ

Language: SQL Rows: 10 Clear Command Find Tables Save Run

```

1 INSERT INTO teams
2 VALUES('t004', 'Jets', 10, 5);
3 SELECT * FROM teams

```

Results Explain Describe Saved SQL History

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

4 rows returned in 0.02 seconds Download

samsung8102929@gmail.com mz en Copyright © 1999, 2023, Oracle and/or its affiliates. Oracle APEX 23.2.0-20

2.

APEX SQL Workshop Team Development Gallery

Schema: WKSP_MZ

Language: SQL Rows: 10 Clear Command Find Tables Save Run

```

1 DESCRIBE customers;
2 INSERT INTO customers(ctr_number,email,first_name,last_name,phone_number,current_balance,sre_id,tem_id,loyalty_card_number)
3 VALUES('c02001','brianrog@hoootech.com','Brian','Rogers','01654564898','-5',NULL,NULL,'lc4587');
4 SELECT * FROM customers;

```

Results Explain Describe Saved SQL History

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c02001	brianrog@hoootech.com	Brian	Rogers	01654564898	-5	-	-	lc4587
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00012	j.jones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	05216547808	987.5	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c07986	margal87@delphview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

6 rows returned in 0.03 seconds Download

samsung8102929@gmail.com mz en Copyright © 1999, 2023, Oracle and/or its affiliates. Oracle APEX 23.2.0-20

3.

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL Commands pane contains the following SQL statement:

```
1 UPDATE customers
2 SET current_balance=50
3 WHERE ctr_number = 'c02001';
4 SELECT * FROM customers
```

The Results pane shows the output of the SQL statement, displaying a table with 9 columns: CTR_NUMBER, EMAIL, FIRST_NAME, LAST_NAME, PHONE_NUMBER, CURRENT_BALANCE, SRE_ID, TEM_ID, and LOYALTY_CARD_NUMBER. The table contains 6 rows of data.

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c02001	brianrog@hooitech.com	Brian	Rogers	01654564898	50	-	-	lc4587
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	td001	-
c00012	j.jones@freemail.com	Jennifer	Jones	0150524598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	03216547808	9875	sr01	td002	-
c00103	MarciaA@globaltech.com	Andrew	Marcia	0775246890	85	-	-	lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	td003	-

6 rows returned in 0.01 seconds

SQL2 - DML Part 2

Part 1

1.

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL Commands pane contains the following SQL statement:

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

The Results pane shows the output of the SQL statement, displaying a table with 5 columns: START_DATE, TO_CHAR(START_TIME, 'HH24:MI:SS'), PRICE, END_DATE, and TO_CHAR(END_TIME, 'HH24:MI'). The table contains 7 rows of data.

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
06/10/2017	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	-	-
04/23/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	-	-

7 rows returned in 0.04 seconds

2. UPDATE price_history

SET end_date = SYSDATE, end_time = SYSTIMESTAMP

WHERE itm_number = 'im01101048' AND end_date IS NULL;

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL Commands pane contains the following SQL statement:

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

The Results pane shows the output of the SQL statement, displaying a table with 1 column: itm_number. The table contains 1 row of data.

ITEM_NUMBER
im01101048

1 row(s) updated.
0.01 seconds

3.

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command area contains the following query:

```

1 SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR
2 (end_time, 'HH24:MI')
3 FROM price_history;
4 UPDATE price_history
5 SET end_date = SYSDATE, end_time = SYSTIMESTAMP
6 WHERE itm_number = 'im01101048' AND end_date IS NULL;
7 SELECT * FROM price_history

```

The Results tab shows the output of the query, displaying 7 rows of price history data. The columns are START_DATE, TO_CHAR(START_TIME, HH24:MI:SS), PRICE, END_DATE, and TO_CHAR(END_TIME, HH24:MI).

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	16:27

7 rows returned in 0.01 seconds

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

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command area contains the following query:

```

1 INSERT INTO price_history(start_date, start_time, price, itm_number)
2 VALUES(SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');
3
4
5
6
7
8
9
10
11

```

The Results tab shows the output of the query, displaying 1 row of price history data. The columns are START_DATE, TO_CHAR(START_TIME, HH24:MI:SS), PRICE, END_DATE, and TO_CHAR(END_TIME, HH24:MI).

START_DATE	TO_CHAR(START_TIME, HH24:MI:SS)	PRICE	END_DATE	TO_CHAR(END_TIME, HH24:MI)
11/09/2023	16:44:53	99.99	-	-

1 row returned in 0.01 seconds

5.

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command area contains the following query:

```

1 SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR
2 (end_time, 'HH24:MI')
3 FROM price_history;
4 UPDATE price_history
5 SET end_date = SYSDATE, end_time = SYSTIMESTAMP
6 WHERE itm_number = 'im01101048' AND end_date IS NULL;
7 INSERT INTO price_history(start_date, start_time, price, itm_number)
8 VALUES(SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');
9
10
11

```

The Results tab shows the output of the query, displaying 8 rows of price history data. The columns are START_DATE, TO_CHAR(START_TIME, HH24:MI:SS), PRICE, END_DATE, and TO_CHAR(END_TIME, HH24:MI).

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	16:27
11/09/2023	16:44:53	99.99	-	-

8 rows returned in 0.01 seconds

Part 2

1. DELETE customers_addresses

WHERE address_line_1 = '83 Barrhill Drive';

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is:

```
1 SELECT* FROM customers_addresses;  
2 DELETE customers_addresses  
3 WHERE address_line_1 = '83 Barrhill Drive';  
4
```

The results pane shows:

1 row(s) deleted.
0.01 seconds

The interface includes a top navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile 'LIM MING ZE' are also visible. The bottom status bar shows the user email 'samsung8102929@gmail.com', the schema 'mz', and the Oracle APEX version '23.2.0-20'.

2.

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is:

```
1 SELECT* FROM customers_addresses;  
2 DELETE customers_addresses  
3 WHERE address_line_1 = '83 Barrhill Drive';  
4
```

The results pane shows a table with 4 rows returned in 0.00 seconds:

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

The interface includes a top navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile 'LIM MING ZE' are also visible. The bottom status bar shows the user email 'samsung8102929@gmail.com', the schema 'mz', and the Oracle APEX version '23.2.0-20'.