



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

DATABASE – SECD2523

SECTION: 06

LAB 2

NAME: LEOW YAN HONG

MATRIC.NO: A22EC0067

LECTURER: DR. IZYAN IZZATI BINTI KAMSANI

PART 1

Part 1

1. a) inventory_list
b) items
c) price_history
d) sales_representatives
e) sales_rep_addresses
f) teams
g) customers
h) customers_address
i) orders
j) ordered_items.

2) Yes, it matched my list.

3)

Number ↑	Elapsed	Statement	Feedback
1	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(101023)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.INVENTORY_LIST_PK) violated
2	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(101023)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.INVENTORY_LIST_PK) violated
3	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(101023)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.INVENTORY_LIST_PK) violated
4	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(101023)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.INVENTORY_LIST_PK) violated
5	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(101023)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.INVENTORY_LIST_PK) violated
6	0.01	INSERT INTO items (itm_number, name, description, category)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.ITEM_PK) violated
7	0.00	INSERT INTO items (itm_number, name, description, category)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.ITEM_PK) violated
8	0.00	INSERT INTO items (itm_number, name, description, category)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.ITEM_PK) violated
9	0.00	INSERT INTO items (itm_number, name, description, category)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.ITEM_PK) violated
10	0.01	INSERT INTO items (itm_number, name, description, category)	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.ITEM_PK) violated
11	0.00	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.PRICE_HISTORY_PK) violated
12	0.01	INSERT INTO price_history (start_date, start_time, price, en	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.PRICE_HISTORY_PK) violated
13	0.00	INSERT INTO price_history (start_date, start_time, price, en	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.PRICE_HISTORY_PK) violated
14	0.01	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.PRICE_HISTORY_PK) violated
15	0.00	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_SQLENVIRONMENT.PRICE_HISTORY_PK) violated

4) No errors

47	0	47
Statements Processed	Successful	With Errors

Part 2

1) INSERT INTO teams (id, name, number_of_players, discount)
VALUE ('f004', 'Jets', 10, 5);

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1001	Rockets	25	10
1003	Rovers	8	8
1002	Celtics	42	20
1004	Jets	10	5

2) INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, loyalty_card_number)
VALUE ('c02001', 'brianrog@hooitech.com', 'Brian', 'Rogers', '0165456898', -5, '1c4587');

```
INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, loyalty_card_number)
VALUES('c02001', 'brianrog@hooitech.com', 'Brian', 'Rogers', '0165456898', -5, '1c4587');
```

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

ORA-02290: check constraint (WKSP_SQLENVIRONMENT.CURRENT_BALANCE_CK) violated

3)

```
1 INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, loyalty_card_number)
2 VALUES('c02001', 'brianrog@hooitech.com', 'Brian', 'Rogers', '0165456898', 50, '1c4587');
```

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

PART 2

Part 1 - Updating rows to the system

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')
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
04/25/2017	10:10:10	24.99	-	-
06/17/2017	09:00:00	4.99	-	-
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
05/31/2017	16:35:30	149	-	-

2) UPDATE price-history

SET end_date = SYSDATE

end_time = SYSTIMESTAMP,

WHERE itm_number = 'im01101048'

AND end_date IS NULL;

```
1 UPDATE price_history
2 SET end_date = SYSDATE,
3   end_time = SYSTIMESTAMP
4 WHERE itm_number = 'im01101048'
5 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')
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
04/25/2017	10:10:10	24.99	-	-
06/17/2017	09:00:00	4.99	-	-
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
05/31/2017	16:35:30	149	11/09/2023	11:18

7 rows returned in 0.01 seconds Download

4) INSERT INTO price-history (start-date, start-time, price, itm-number)
VALUES (SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');

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

Results Explain Describe Saved SQL History

1 row(s) inserted.

0.01 seconds

5)

START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
11/25/2016	11/25/2016	14.99	01/25/2017	01/25/2017	im01101045
01/25/2017	01/25/2017	8.99	01/25/2017	01/25/2017	im01101045
04/25/2017	04/25/2017	24.99			im01101047
06/17/2017	06/17/2016	4.99			im01101044
01/26/2017	01/26/2017	15.99			im01101045
11/09/2023	11/09/2023	99.99			im01101048
02/12/2017	02/12/2017	7.99			im01101046
05/31/2017	05/31/2017	149	11/09/2023	11/09/2023	im01101048

Part 2 - Deleting rows to the system

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

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

Results Explain Describe Saved SQL History

1 row(s) deleted.

0.01 seconds

2) `SELECT * FROM customers_addresses;`

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
ca0102	17 Garsquere Road	Stanford	Liverpool	LP89JHK	c00001
ca0103	54 Roperhill Crescent	Georgetown	Star	ST4SAGV	c00101
ca0104	36 Watercross Lane	-	Jump	JP23YTH	c01986
ca0105	63 Acacia Drive	Skara	Liverpool	LP8LSHR	c00001

rows returned in 0.01 seconds [Download](#)