

Pua Zhi Ying A22BC0103 - Database Lab 2

Part 1: Running a script to populate the tables

1. ① inventory_list

② items

③ price_history

④ sales_representatives

⑤ sales_rep_address

⑥ teams

⑦ customers

⑧ customers_address

⑨ orders

⑩ ordered_items

2. Yes, my list matches with the order the data being added in "sports data.sql".

3. Run the "sports data.sql" script in APEX to populate your tables.

Time	SQL	Schema
103 seconds ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(1, 1, 'or0	WKSP_DBLABPZY
107 seconds ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(10, 10, 'o	WKSP_DBLABPZY
111 seconds ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(18, 18, 'o	WKSP_DBLABPZY
115 seconds ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(5, 5, 'or0	WKSP_DBLABPZY
119 seconds ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(5, 5, 'or0	WKSP_DBLABPZY
2 minutes ago	INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number) VALUES(5, 5, 'or0	WKSP_DBLABPZY
2 minutes ago	INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number) VALUES('or0101750', TO_DATE	WKSP_DBLABPZY
2 minutes ago	INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number) VALUES('or0101681', TO_DATE	WKSP_DBLABPZY
2 minutes ago	INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number) VALUES('or0101425', TO_DATE	WKSP_DBLABPZY
2 minutes ago	INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number) VALUES('or0101350', TO_DATE	WKSP_DBLABPZY
2 minutes ago	INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number) VALUES('or0101250', TO_DATE	WKSP_DBLABPZY
2 minutes ago	INSERT INTO customers_addresses (id, address_line_1, address_line_2, city, zip_code, ctr_number) VAL	WKSP_DBLABPZY

4. Check that no errors occurred when you ran the script.

No errors occurred when running the script "sports data.sql".

Part 2: Inserting rows to the system

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

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

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.02 seconds



TEAMS

Columns Data Indexes Constraints Grants Statistics Triggers Dependencies DDL Sample Queries

+ Insert Row Columns... Filter... Count Rows Load Data Download Refresh

	ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
	t001	Rockets	25	10
	t004	Jets	10	5

2. INSERT INTO customers (cfr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number) VALUES ('c02001', 'brianrog@hacked.com', 'Brian', 'Rogers', '01654564898', -5, NULL, NULL, '1c4587');

```
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@hoootech.com', 'Brian', 'Rogers', '01654564898', -5, NULL, NULL, 'lc4587');
```

Results

Explain

Describe

Saved SQL

History

ORA-02290: check constraint (WKSP_DBLABPZY.CUSTOMER_BALANCE_CHK) violated

3. INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, fem_id, loyalty_card_number) VALUES ('c02001', 'brianrog@hooitech.com', 'Brian', 'Rogers', '016574564898', 50, NULL, NULL, 'c4587');


```
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@hoootech.com', 'Brian', 'Rogers', '01654564898', 50, NULL, NULL, 'lc4587');
```

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.00 seconds



CUSTOMERS

Columns **Data** Indexes Constraints Grants Statistics Triggers Dependencies DDL Sample Queries

+ Insert Row Columns... Filter... Count Rows Load Data Download Refresh

	CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER...	CURRENT_BALANC	SRE_ID	TEM_ID	LOYALTY_CARD_M
	c01986	margal87@del...	Maria	Galant	01442736589	125.65	sr03	t003	
	c00103	MurciaA@glob...	Andrew	Murcia	07715246890	85			lc2341
	c00101	unknown@her...	John	Doe	03216547808	987.5	sr01	t002	
	c00001	bob.thornberry...	Robert	Thornberry	01234567898	150	sr01	t001	
	c00012	JJones@freem...	Jennifer	Jones	01505214598	0			lc1015
	c02001	brianrog@hoot...	Brian	Rogers	01654564898	50			lc4587

No:

Date:

Database Lab 2 Part 2

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:SS')  
FROM price-history;
```

```
1  SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI') 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	-	-
01/25/2017	17:01:00	8.99	01/25/2017	19:00
05/31/2017	16:35:30	149	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-

7 rows returned in 0.02 seconds

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2. UPDATE price_history SET end-date = SYSDATE, end-time = SYSTIMESTAMP WHERE itm-number = 'im01101048' AND end-date IS NULL;

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

Results

[Explain](#)[Describe](#)[Saved SQL](#)[History](#)

1 row(s) updated.

0.03 seconds

3. Run the select statement on the price_history table to ensure that the statement has been executed.

A=

1

```
SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI') 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	-	-
01/25/2017	17:01:00	8.99	01/25/2017	19:00
05/31/2017	16:35:30	149	11/09/2023	15:26
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	799	-	-
04/25/2017	10:10:10	24.99	-	-

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

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

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.00 seconds

5. Rerun the select statement on the price-history table to ensure that the statement has been executed.

A:

```
1 SELECT start_date, TO_CHAR(start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR(end_time, 'HH24:MI') 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	-	-
01/25/2017	17:01:00	8.99	01/25/2017	19:00
05/31/2017	16:35:30	149	11/09/2023	15:26
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
11/09/2023	15:50:07	99.99	-	-
04/25/2017	10:10:10	24.99	-	-

Part 2: Deleting rows from the system

1. DELETE FROM customers_addresses WHERE address_line_1 = '83 Barhill Drive';

```
1  DELETE FROM customers_addresses 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;

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

Results Explain Describe Saved SQL History

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