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.

Number ↑⁼	Elapsed	Statement	Feedback	Rows
1	0.05	INSERT INTO inventory_list (id, cost, units) VALUES('iI01023	1 row(s) inserted.	1
2	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('iI01023	1 row(s) inserted.	1
3	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('iI01023	1 row(s) inserted.	1
4	0.01	INSERT INTO inventory_list (id, cost, units) VALUES('iI01023	1 row(s) inserted.	1
5	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('iI01023	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	0.01	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

47	47	0
Statements Processed	Successful	With Errors

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

No errors occured 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);

47	47	0
Statements Processed	Successful	With Errors

```
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

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

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

```sql
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');
```

```sql
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_DBLABPZY.CUSTOMER_BALANCE_CHK) violated

```sql
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@hootech.com', 'Brian', 'Rogers',
   0167456488, 50, NULL, NULL, 'c4587');
```

```sql
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, '1c4587');
```

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_N
✎	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

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')

FROM price_history ;

```sql
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   Download

2. UPDATE price_history SET end_date = SYSDATE, end_time = SYSTIMESTAMP WHERE itm_number = 'imo1101048' AND end_date IS NULL;

```sql
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. Rerun the select statement on the price_history table to ensure that the statement has been executed.

```
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	-	-
04/25/2017	10:10:10	24.99	-	-

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) 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.

```
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';

```sql
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

```sql
2. SELECT * FROM customers_addresses;
```

```sql
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