

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 (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number) VALUES ('c02001', 'brianrog@hatech.com', 'Brian', 'Rogers', '01654564898', '-5', 'lc4587');

```
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

3. INSERT INTO customers (ctr-number, email, first-name, last-name, phone-number, current-balance, sre-id, term-id, loyalty-card-number) VALUES ('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', '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@hootech.com', 'Brian', 'Rogers', '01654564898', '50', NULL, NULL, '1c4587');
```

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.03 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:

Database Lab 2 Part 2

Date:

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;
```

```
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;
```

| 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 |