

LAB 2

MEOR AFIQ BIN MEOR SHAMSUL BAHRI
B23CS0043

EXERCISE 1

PART 1

1. Use the table mapping document and list the order that you would use to populate the tables.

Inventory_list
Items Price_history
Sales_representatives
Sales_representatives_addresses
Teams Customers
Customer_addresses
Orders Ordered_items

2. Open sports data.sql and look at the order the data is being added

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

4. Check for no error

PART 2

1. Add a new team to the system

```
INSERT INTO teams (id, name, number_of_players, discount)
VALUES ('T004' , 'Jets' , 10 , 5);
```

2. Add a new Customer with the following details to the system

```
INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
current_balance, loyalty_card_number)
VALUES ('c02001' , 'brianrog@hoote ch.com' , 'Brian' , 'Rogers' , ' 01654564898' , '-5' ,
'lc4587' );
```

3. This information violates the check constraint that the current balance must not be less than zero. Change the current balance to 50 and rerun query

```
INSERT INTO customers (ctr_number_email, first_name, last_name, phone_number,  
current_balance, loyalty_card_number)  
VALUES ('c02001' , 'brianrog@hootech.com' , 'Brian' , 'Rogers' , '01654564898' , '50' ,  
'Lc4587' );
```

EXERCISE 2

Part 1

1. Run the following query to view the content of the price_history table:

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

2. Obl is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end_date and end_time fields. To run this query you will need to both match the item number and identify that the end date is null. This ensures that you are updating the latest price.

```
UPDATE price_history  
SET end_date = SYSDATE, end_time = SYSDATE  
WHERE itm_number = 'im01101045' AND end_date is null;
```

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

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

4. Insert a new row that will use the current date and time to set the new price of the premium bat to be 99.99.

```
INSERT INTO price_history (start_date, start_time, price, itm_number)  
VALUES (SYSDATE, SYSDATE, 99.99, 'im011048');
```

5. Rerun the select statement on the price_history table to ensure that the statement has been Executed.

Part 2

1. Bob Thornberry has contacted Obl to ask that the 83 Barrhill Drive address be removed from the system as he can no longer receive parcels at this address. Write a SQL statement that will remove this address from the system.

```
DELETE FROM customers_addresses  
WHERE id = 'ca0101';
```

2. Run a select statement on the customers_addresses table to ensure that the statement has been executed.

```
SELECT * FROM customers_addresses
```