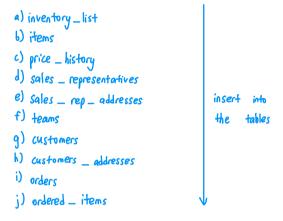
Part 1: Running a script to populate the tables.

You have to consider the order of the tables when populating them. A table that has a foreign key field cannot be populated before the related table with the primary key.

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



2. Open the "sports data.sql" and look at the order the data is being added there, does your list match? This file can be found in the Section 6 Lesson 4 interaction (sports data.zip) and must first be extracted.

```
- Yes, it matched
```

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

Number 📬	Elapsed	Statement	Feedback	Rows
	0.01	INSERT INTO inventory_list (id, cost, units) VALUES('i)01023	ORA-00001: unique constraint (WKSP_ED12345.INVENTORY_LIST_PK) violated	
	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('i)01023	ORA-00001: unique constraint (WKSP_ED12345.INVENTORY_LIST_PK) violated	
	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('ii)01023	ORA-00001: unique constraint (WKSP_ED12345.INVENTORY_LIST_PK) violated	
	0.00	INSERT INTO inventory_list (id, cost, units) VALUES('il01023	ORA-00001: unique constraint (WKSP_EDI2345.INVENTORY_LIST_PK) violated	
	0.00	INSERT INTO inventory_list (id, cost, units) VALUES(ii)01023	ORA-00001: unique constraint (WKSP_ED12345.INVENTORY_LIST_PK) violated	
	0.00	INSERT INTO items (itm_number, name, description, category,	ORA-00001: unique constraint (WKSP_ED12345.ITEM_PK) violated	
	0.01	INSERT INTO items (itm. number, name, description, category,	ORA-00001: unique constraint (WKSP_ED12345.ITEM_PK) violated	
	0.00	INSERT INTO items (itm_number, name, description, category,	ORA-00001: unique constraint (WKSP_ED12345.ITEM_PK) violated	
	0.00	INSERT INTO items (itm_number, name, description, category,	ORA-00001: unique constraint (WKSP_ED12345.ITEM_PK) violated	
	0.00	INSERT INTO items (itm. number, name, description, category,	ORA-00001: unique constraint (WKSP_EDI2345.ITEM_PK) violated	
	0.01	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP EDI2345,PRICE HISTORY PK) violated	
	0.00	INSERT INTO price_history (start_date, start_time, price, en	ORA-00001: unique constraint (WKSP EDI2345-PRICE HISTORY PK) violated	
15	0.00	INSERT INTO price_history (start_date, start_time, price, en	ORA-00001: unique constraint (WKSP_EDI2345.PRICE_HISTORY_PK) violated	
	0.00	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_EDI2345.PRICE_HISTORY_PK) violated	
	0.00	INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_EDI2345-PRICE_HISTORY_PK) violated	
16		INSERT INTO price_nistory (start_date, start_time, price, it INSERT INTO price_history (start_date, start_time, price, it	ORA-0000: unique constraint (WKSP_EDI2345.PRICE_PIISTORT_PK) violated ORA-00001: unique constraint (WKSP_EDI2345.PRICE_HISTORY_PK) violated	
		INSERT INTO price_history (start_date, start_time, price, it	ORA-00001: unique constraint (WKSP_ED12345.PRICE_HISTORY_PK) violated	
		INSERT INTO sales_representatives (id, email, first_name, la	ORA-00001: unique constraint (WKSP_ED12345.SALES_REPRESENTATIVE_PK) violated	
		INSERT INTO sales_representatives (id, email, first_name, la	ORA-00001: unique constraint (WKSP_ED12345.SALES_REPRESENTATIVE_PK) violated	
		INSERT INTO sales_representatives (id, email, first_name, la	ORA-00001: unique constraint (WKSP_ED12345.SALES_REPRESENTATIVE_PK) violated	- 3
		INSERT INTO sales_rep_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.SALES_REP_ADDRESS_PK) violated	
		INSERT INTO sales_rep_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.SALES_REP_ADDRESS_PK) violated	- 1
		INSERT INTO sales_rep_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.SALES_REP_ADDRESS_PK) violated	-
	0.00	INSERT INTO teams (id, name, number_of_players, discount) VA	ORA-00001: unique constraint (WKSP_ED12345.TEAM_PK) violated	
	0.00	INSERT INTO teams (id, name, number_of_players, discount) VA	ORA-00001: unique constraint (WKSP_ED12345.TEAM_PK) violated	
	0.00	INSERT INTO teams (id, name, number_of_players, discount) VA	ORA-00001: unique constraint (WKSP_ED12345.TEAM_PK) violated	-
	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_PK) violated	
	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_PK) violated	
		INSERT INTO customers (ctr_number, email, first_name, last_n	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_PK) violated	- 4
30	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_PK) violated	-
	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_PK) violated	- 4
	0.01	INSERT INTO customers_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_ADDRESS_PK) violated	
	0.00	INSERT INTO customers_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_ADDRESS_PK) violated	
	0.00	INSERT INTO customers_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_ADDRESS_PK) violated	
	0.00	INSERT INTO customers_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_ED12345.CUSTOMER_ADDRESS_PK) violated	-
	0.00	INSERT INTO customers_addresses (id, address_line_1, address	ORA-00001: unique constraint (WKSP_EDI2345.CUSTOMER_ADDRESS_PK) violated	
	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	ORA-00001: unique constraint (WKSP_EDI2345.ORDERS_PK) violated	
	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	ORA-00001: unique constraint (WKSP_ED12345.ORDERS_PK) violated	
	0.01	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	ORA-00001: unique constraint (WKSP_ED12345.ORDERS_PK) violated	
	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	ORA-00001: unique constraint (WKSP_ED12345.ORDERS_PK) violated	-
	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	ORA-00001: unique constraint (WKSP_ED12345.ORDERS_PK) violated	1
	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shippe	ORA-00001: unique constraint (WKSP_ED12345.ORDERED_ITEM_PK) violated	
	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shippe	ORA-00001: unique constraint (WKSP_EDI2345.ORDERED_ITEM_PK) violated	
	0.00	INSERT INTO ordered, items (quantity, ordered, quantity, shippe	ORA-00001: unique constraint (WKSP_EDI2345.ORDERED_ITEM_PK) violated	
	0.00	INSERT INTO ordered items (quantity ordered, quantity shippe	ORA-00001: unique constraint (WKSP_EDI2345.ORDERED_ITEM_PK) violated	
46	0.01	INSERT INTO ordered items (quantity ordered, quantity shippe	ORA-00001: unique constraint (WKSP EDIZ345.ORDERED ITEM PK) violated	
47	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shippe	ORA-00001: unique constraint (WKSP_EDI2345.ORDERED_ITEM_PK) violated	
W.	0.00	instant invito ordered_items (quantity_ordered, quantity_shippe	Orov-oroon: unique constraint (wksp_ctrixs4550ktrekctr_11ckt_pk) violated	

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

-No errors were found when running the script.

Part 2- Inserting rows to the system

1. Add a new team to the system

id	name	Number_of_players	discount	
t004	Jets	10	5	

- INSERT INTO teams
VALUES ('toot', 'Jets', 10, 5);



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

ctr number	email	First name	Last name	Phone number	Current balance	Loyalty card number	tem id	sre id
c02001	brianrog@hoote ch.com	Brian	Rogers	01654564898	-5	lc4587		

```
- INSERT INTO customers (
  ctr_number.
  email,
  first_name,
  last_name,
  Phone - number,
  current_balance,
 loyalfy_card_number
)VALUES (
        1c020011,
        "brian rog @ hootech.com",
         Brian',
         'Rogers',
         1016545648981,
         1-51
         'Ic4587'
   )_{j}
```

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 the query.

```
- INSERT INTO customers (
  ctr_number.
  email.
  first_name.
   last_name,
   Phone - number,
  current_balance,
 loyalfy_card_number
) VALUES (
         1c020011,
         brian rog @ hootech . com',
         Brian',
         'Rogers',
         1016545648981
         150 ,
         164587
   )_{j}
```

```
EDWIN KOH WEI SHAN A22EC5003 Section 6 Lab 2 (Part 2)
Lecturer: Dr. Izyan Izzati
```

Part 1- Updating rows to the system

1. Run the following guery 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 = 'imollolo48' AND end_date IS NULL;
```

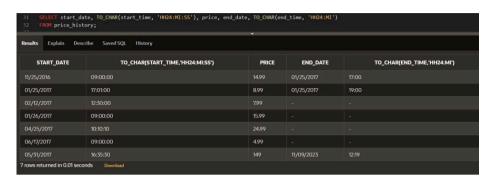
```
27 UPDATE price_history
28 SET end_date = SYSDATE, end_time = SYSDATE
29 WHERE itm_number = 'im01101048' AND end_date IS NULL;

Results Explain Describe Saved SQL History

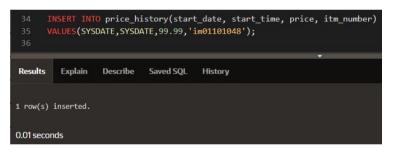
1 row(s) updated.

0.03 seconds
```

- 3. Rerun the select statement on the price history table to ensure that the statement has been executed.
 - SELECT start_date, TO_CHAR(start_time, 'HH24: MI:SS'), price, end_date, TO_CHAR(end_time, 'HH24:MI') FROM price_history;



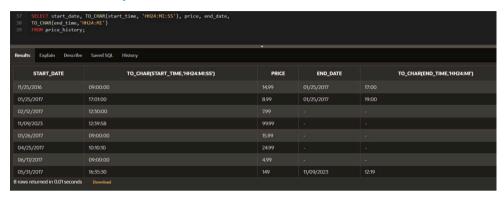
- 4. Insert a new row that will use the current date and time to set the new price of the premium bat to be 99.99.
 - INSERT INTO price_history (start_date, start_time, price, itm_number)
 VALUES (SYSDATE, SYSDATE, 99.99, 'im01101048');



5. 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;
```



Part 2: Deleting rows from the system

1. Bob Thornberry has contacted Obl to ask that the 83 Barrhill Drive address be removed from the system as he can longer receive parcels at this address. Write a SQL statement that will remove this address from the system.

```
- DELETE FROM customers _ addresses

WHERE address _ line_1 = '93 Barrhill Drive';
```



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

- SELECT * FROM customers _ addresses;

