

Section 6 Lesson 4 Exercise 1: Data Manipulation Language

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Use DML operations to manage database tables (S6L4 Objective 2)

In this exercise you will populate and work with the data that is stored in the database system tables.

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.
3. Run the "sports data.sql" script in APEX to populate your tables
4. Check that no errors occurred when you ran the script.

① inventory - list
items

price - history

sales - representatives

sales - rep - address

teams

customers

customers - addresses

orders

ordered - items

② yes. it is matched

③ Successfully run.

④ No error .

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

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@hoootech.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 the query.

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

② INSERT INTO customers (ctr_number, email, first_name, last_name ,
phone_number, current_balance, loyalty_card_number)
VALUES ('c02001' , 'brianrog@hoootech.com' , 'Brian' , 'Rogers' ,
'01654564898' , -5 , 'lc4587') ;

③ INSERT INTO customers (ctr_number, email, first_name, last_name ,
phone_number, current_balance, loyalty_card_number)
VALUES ('c02001' , 'brianrog@hoootech.com' , 'Brian' , 'Rogers' ,
'01654564898' , 50 , 'lc4587') ;