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Section 6 Lesson 4 Exercise 1: Data Manipulation Language

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.

Part 2- Inserting rows to the system

1. Add a new team to the system

```
Statement  86

INSERT INTO teams
VALUES('t004','Jets',10,5)


1 row(s) inserted.
```

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

```
Statement  93

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,-5,'Ic4587')


1 row(s) inserted.
```

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.

```
Statement  94

UPDATE Customers
SET Current_balance = 50
WHERE ctr_number = 'c02001'


1 row(s) updated.
```