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**SECD2523**  
**SECTION 10**

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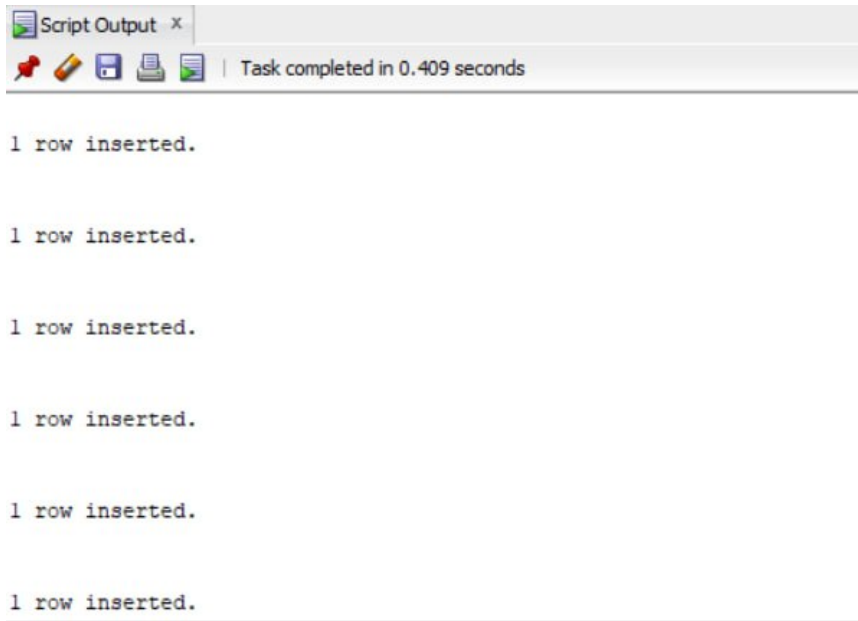
**PROJECT TITLE:**  
**SQL LAB2**  
**(DML1)**  
**PART1**

NAME	MATRIC NUMBER
NADIA SYAHADAH BINTI SAHARUDIN	A22EC0225

## 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.



The screenshot shows the 'Script Output' window in APEX. The title bar reads 'Script Output x'. Below the title bar is a toolbar with icons for a red pin, a yellow pencil, a blue folder, a printer, and a document. To the right of the toolbar, it says 'Task completed in 0.409 seconds'. The main area of the window displays the following text:

```
1 row inserted.  
  
1 row inserted.  
  
1 row inserted.  
  
1 row inserted.  
  
1 row inserted.  
  
1 row inserted.
```

All rows have been inserted without any problem. No error detected with the sports data.sql

## 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 ('t004','Jets',10,5);

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

	ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1	t001	Rockets	25	10
2	t002	Celtics	42	20
3	t003	Rovers	8	(null)
4	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	team id	sre id
c02001	brianrog@h oote ch.com	Brian	Rogers	0165456 4898	-5	lc4587		

INSERT INTO customers  
(ctr\_number,email,first\_name,last\_name,phone\_number,current\_balance,loyalty\_card\_number,te  
m\_id,sre\_id)  
VALUES ('c02001',  
'brianrog@hootech.com','Brian','Rogers','01654564898',-5,'lc4587',null,null)

Worksheet Query Builder

```

INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number)
VALUES (10, 10, 'or0101681', 'im01101047');

INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number)
VALUES (1, 1, 'or0101750', 'im01101048');

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

INSERT INTO customers (ctr_number,email,first_name,last_name,phone_number,current_balance,loyalty_card_number,tem_id,sre_id)
VALUES ('c02001','brianrog@hootech.com','Brian','Rogers','01654564898',-5,'Ic4587',null,null);

```

Script Output x

Task completed in 0.024 seconds

1 row inserted.

Columns	Data	Model	Constraints	Grants	Statistics	Triggers	Flashback	Dependencies	Details	Partitions	Indexes	SQL
CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER				
1	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)			
2	c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015			
3	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)			
4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341			
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)			
6	c02001	brianrog@hootech.com	Brian	Rogers	01654564898	-5	(null)	(null)	Ic4587			

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.

UPDATE customers  
SET current\_balance=50  
WHERE ctr\_number = 'c02001';

Worksheet Query Builder

```

INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id, itm_number)
VALUES (1, 1, 'or0101750', 'im01101048');

INSERT INTO teams (id,name,number_of_player
VALUES ('t004','Jets',10,5);

INSERT INTO customers (ctr_number,email,first_name,last_name,phone_number,current_balance,loyalty_card_number,tem_id,sre_id)
VALUES ('c02001','brianrog@hootech.com','E

UPDATE customers
SET current_balance=50
WHERE ctr_number = 'c02001';

```

Script Output x

Task completed in 0.02 seconds

1 row inserted.

1 row updated.

Columns	Data	Model	Constraints	Grants	Statistics	Triggers	Flashback	Dependencies	Details	Partitions	Indexes	SQL
CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER				
1	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)			
2	c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015			
3	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)			
4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341			
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)			
6	c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	(null)	(null)	Ic4587			

