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UTM Johor Bahru

SECD2523

SECTION 10

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PROJECT TITLE:

SQL LAB2

(DML1)

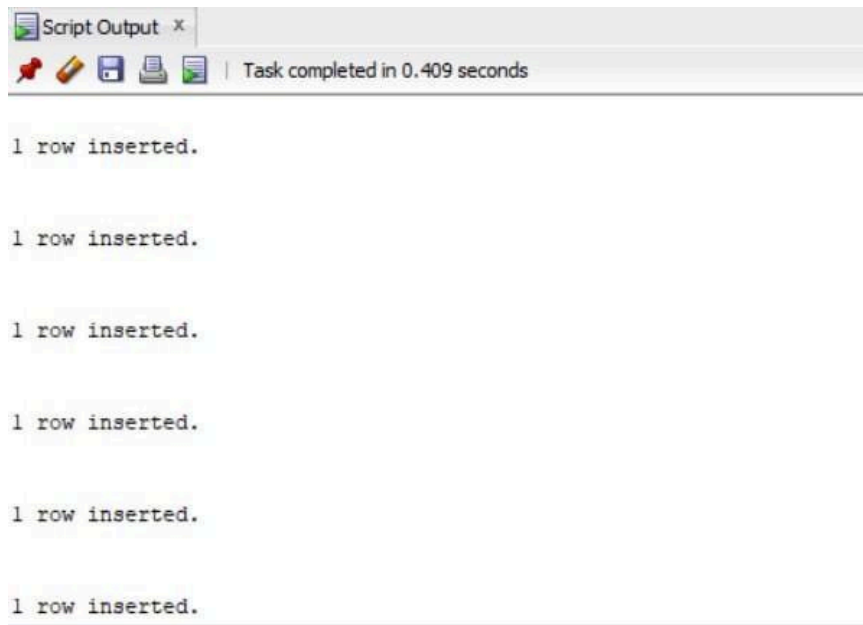
PART1

NAME	MATRIC NUMBER
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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 a 'Script Output' window from an Oracle APEX application. The window title is 'Script Output x'. Below the title bar, there is a status bar that says 'Task completed in 0.409 seconds'. The main area of the window displays the output of a SQL script, which consists of six lines, each stating '1 row inserted.'.

```
Script Output x
Task completed in 0.409 seconds

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.
```

ANSWER: All rows have been successfully inserted without encountering any issues. No errors were detected with the sports data.sql file.

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

CODE:

```
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		

CODE:

```
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)	(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)	(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)	(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.

CODE:

```

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

```

```

Worksheet  Query Builder

INSERT INTO ordered_items (quantity_order
VALUES (1, 1, 'or0101750', 'im01101048');

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

INSERT INTO customers (ctr_number,email,fir
VALUES ('c02001','brianrog@hootech.com','B

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



































Sort:

Filter:

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)	1c4587