



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

## LAB DML1

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SUBJECT/SECTION:DATABASE/01

## 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.

Output:

The screenshot displays the Oracle SQL Developer interface. The title bar indicates the path: C:\Users\zikry\AppData\Roaming\SQL Developer\mywork\SECD2523-01-Database-2324-01\lab\Lab project\DDL1\sports data.sql. The main window is divided into several panes:

- Connections:** Shows a tree view with 'Orade Connections' expanded, containing 'DDL' and 'lab5'. Under 'lab5', there is a 'Tables (Filtered)' list including: AQ\$\_INTERNET\_AGENT\_PRIVS, AQ\$\_INTERNET\_AGENTS, AQ\$\_KEY\_SHARD\_MAP, AQ\$\_QUEUE\_TABLES, AQ\$\_QUEUES, AQ\$\_SCHEDULES, CUSTOMERS, CUSTOMERS\_ADDRESSES, HELP, INVENTORY\_LIST, ITEMS, LOGMNR\_AGE\_SPILL\$, LOGMNR\_ATTRCOL\$, LOGMNR\_ATTRIBUTE\$, and LOGMNR\_CCOL\$.
- Script Worksheet:** Contains the SQL script:

```
INSERT INTO inventory_list (id, cost, units)
VALUES('11010230124', 2.5, 100);

INSERT INTO inventory_list (id, cost, units)
VALUES('11010230125', 7.99, 250);

INSERT INTO inventory_list (id, cost, units)
VALUES('11010230126', 5.24, 87);
```
- Script Output:** Shows the execution results:

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

The status bar at the bottom indicates 'Task completed in 0.314 seconds'.

## 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

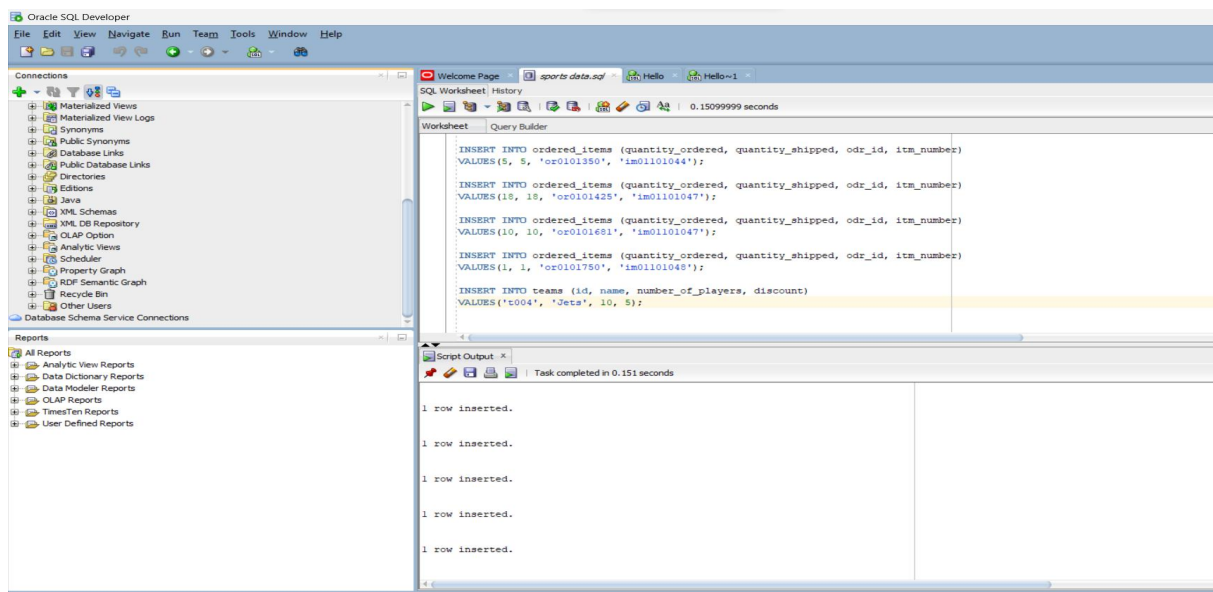
ctr number	email	First name	Last name	Phone number	Current balance	Loyalty card number	tem id	sre id
c02001	brianrog@hootech.com	Brian	Rogers	01654564898	-5	lc4587		

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.

Answer for part 2:

1. Command:

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

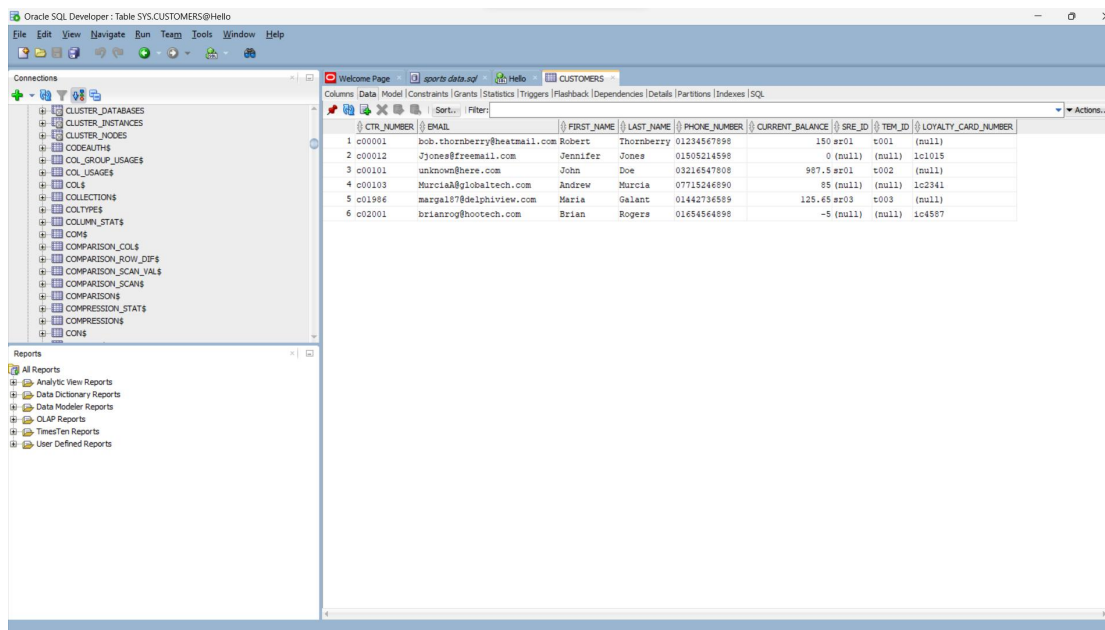
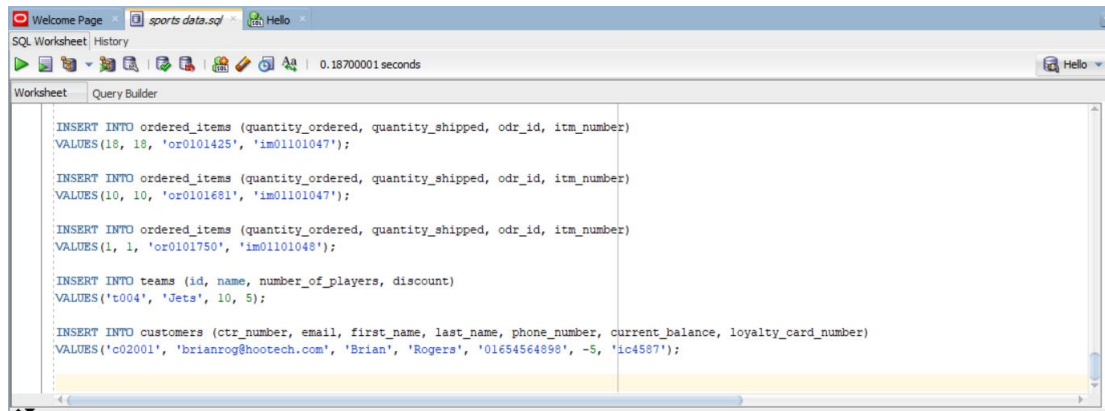


ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1 t001	Rockets	25	10
2 t002	Celtics	42	20
3 t003	Rovers	8	(null)
4 t004	Jets	10	5

Data added successful

## 2. Command:

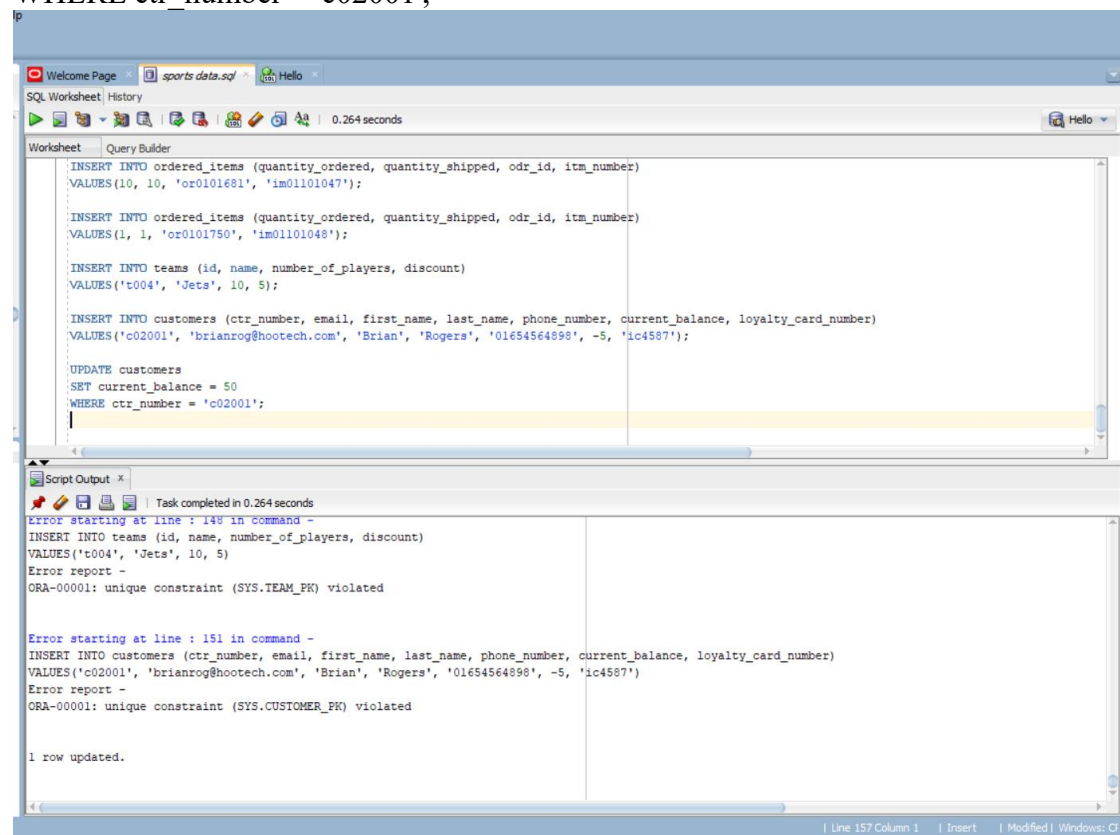
INSERT INTO customers (ctr\_number, email, first\_name, last\_name, phone\_number, current\_balance, loyalty\_card\_number)  
VALUES('c02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', '01654564898', -5, 'lc4587');



Data added successful

### 3. Command:

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



Welcome Page

sports data.sql

Hello

CUSTOMERS

Columns | Data | Model | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL

Sort...

Filter:

Actions...

	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)		lc1015
3	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)
4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85 (null)	(null)		lc2341
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)
6	c02001	brianrog@hoootech.com	Brian	Rogers	01654564898	50 (null)	(null)		ic4587

Data have updated.