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.

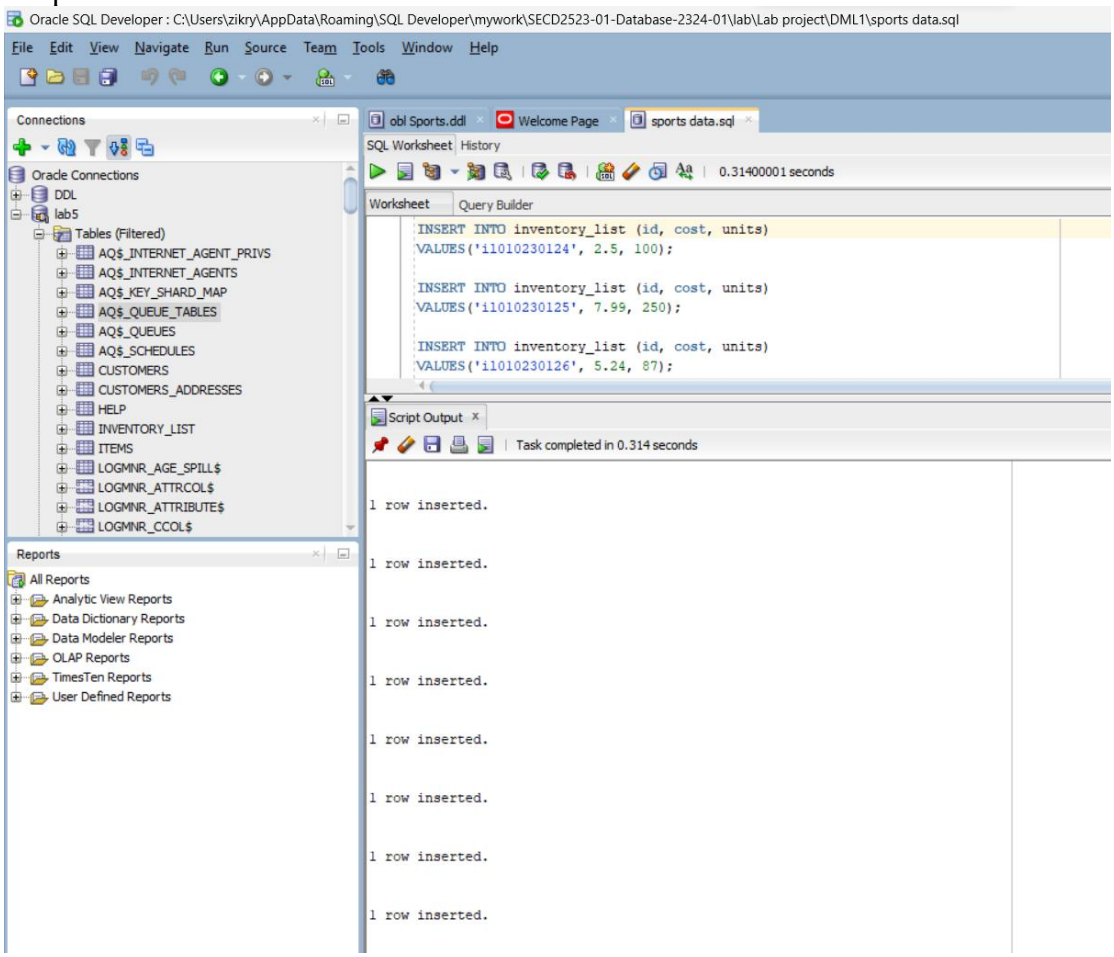
1. Use the table mapping document and list the order that you would use to populate the tables.

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:



**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

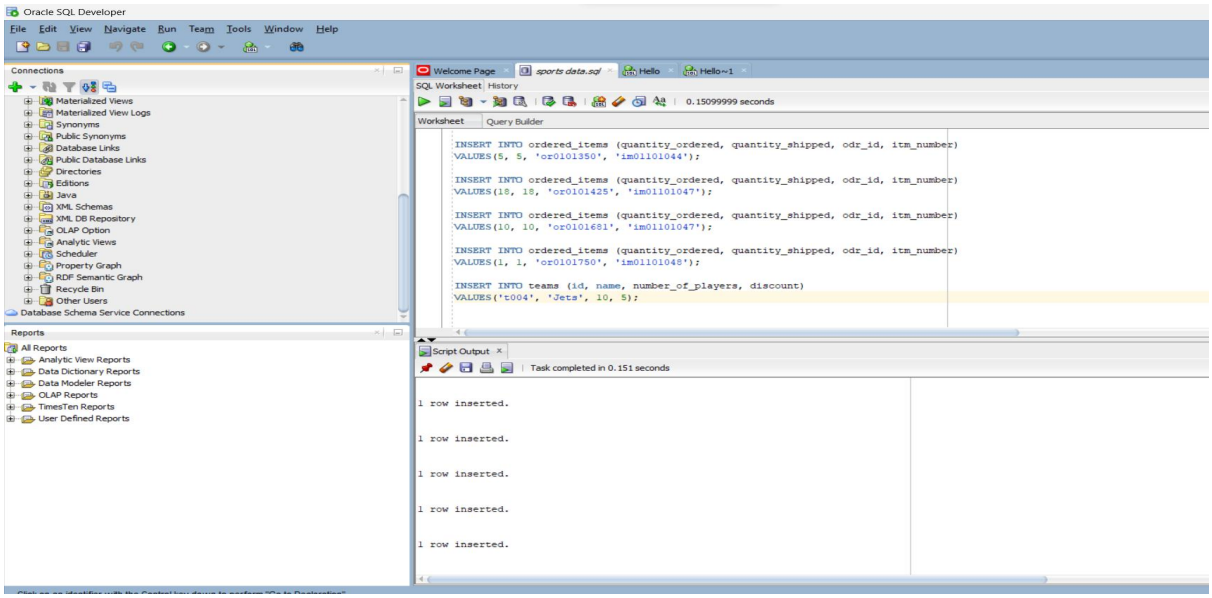
| ctr number | email | First name | Last name | Phone number | Current balance | Loyalty card number | tem id | sre id |
|---|---|---|---|---|---|---|---|---|
| c02001 | brianrog@hootech.com | Brian | Rogers | 01654564898 | -5 | lc4587 | | |

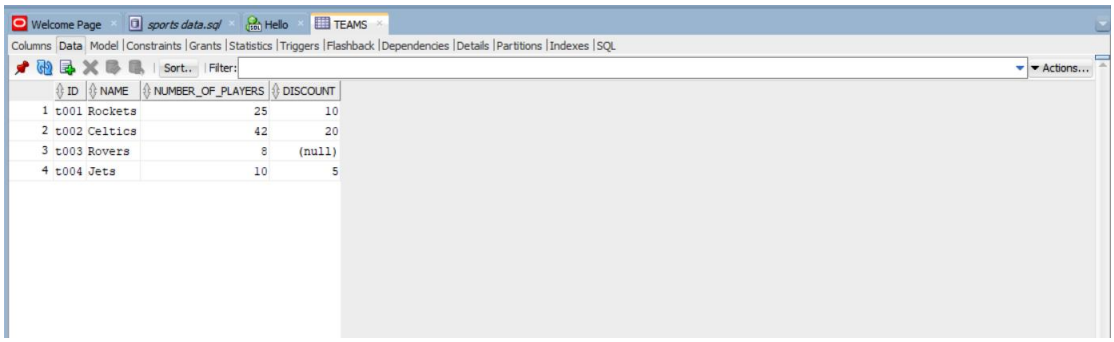
3. This information violates the check constraint that the current balance must not be less than zero. Change the current balance to 50 and rerun the query.

Answer for part 2:

1. Command:

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

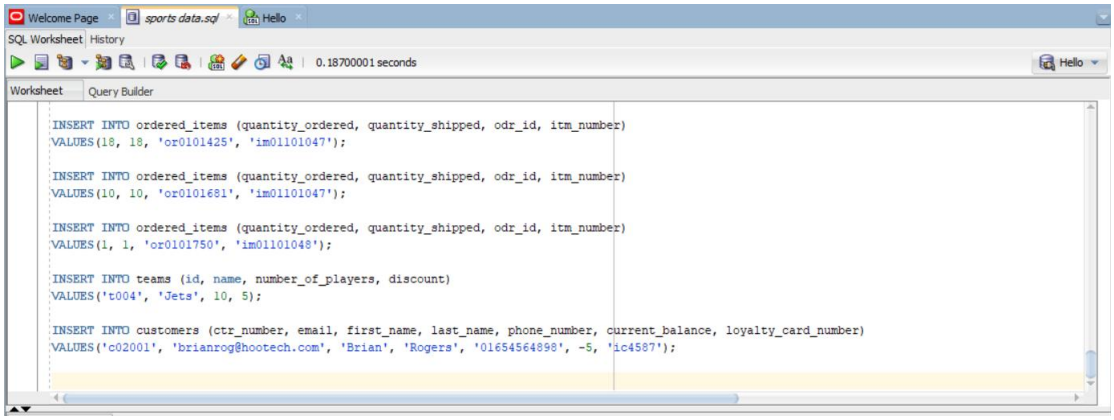


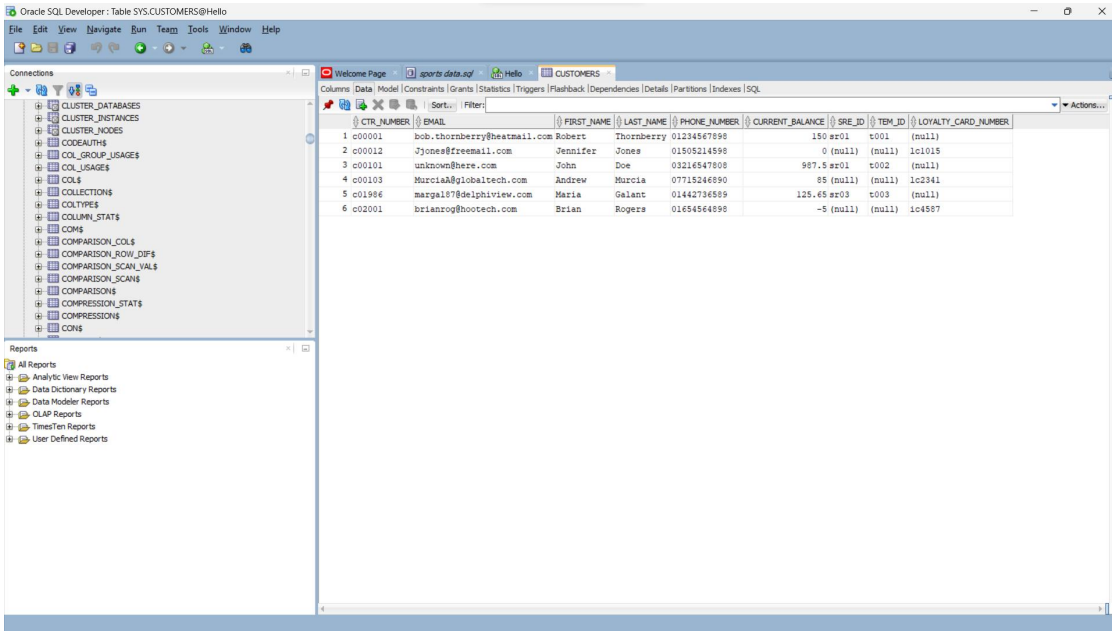




Data added successful

2. Command:

INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, loyalty_card_number)
VALUES('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', -5, 'ic4587');

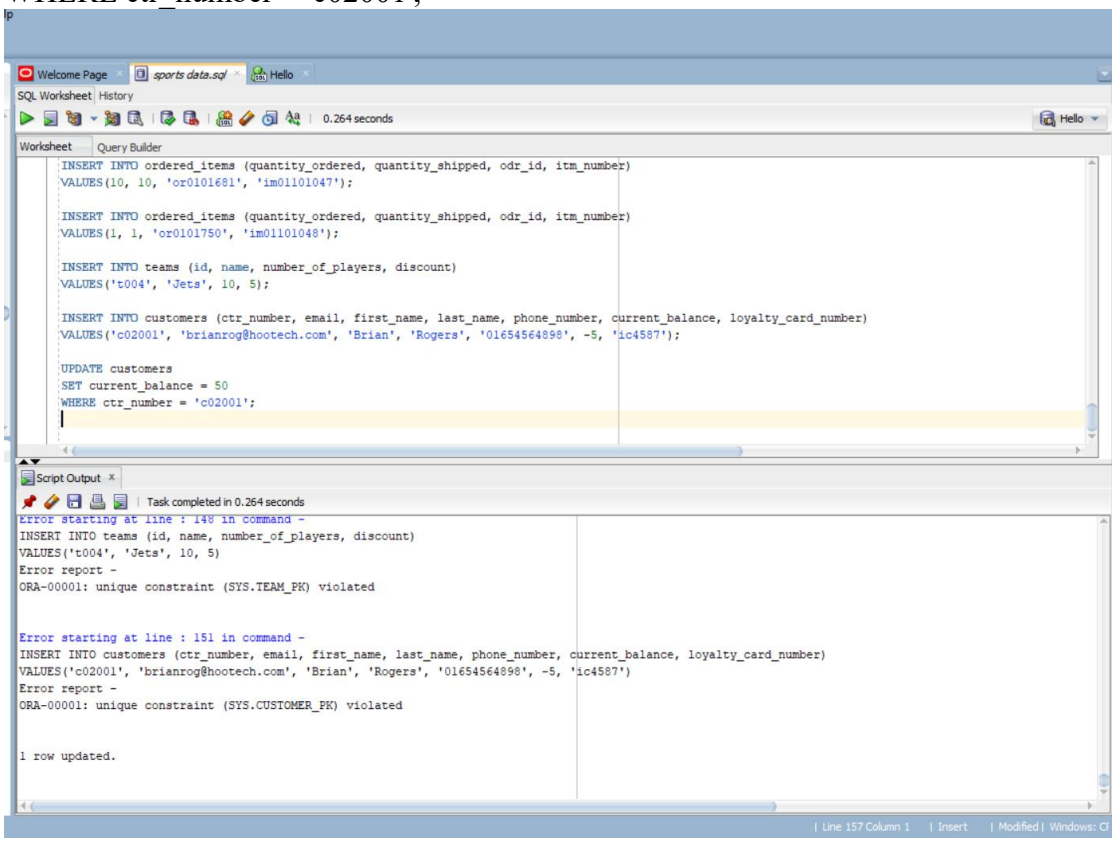


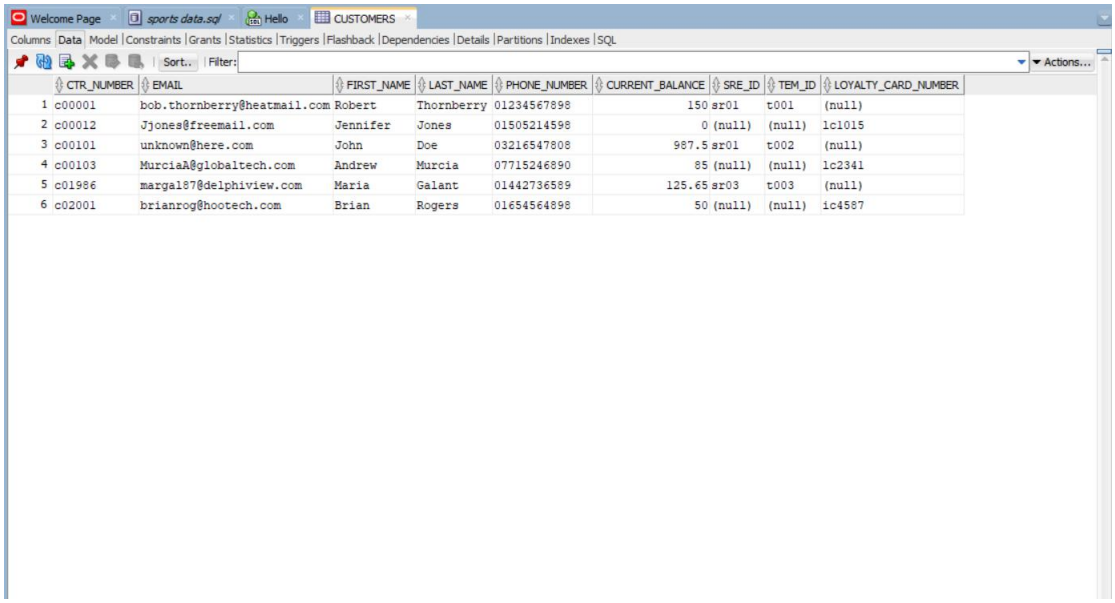




Data added successful

3. Command:

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






| | 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@hootech.com | Brian | Rogers | 01654564898 | 50 | (null) | (null) | ic4587 |

Data have updated.