

Nam Muhammad Syakir bin Mohd Yusof
MATHK . A22EC0145
NUM

Part 1:

Running script

inventory_list(id, cost, units)

items(item_number, name, description, category, colour, "Size", itm_id)

price_history(start_date, start_time, price, itm_number)

sales_representative(id, email, first_name, last_name, phone_number, commission_rate, supervisor_id)

sales_rep_address(id, address_line_1, address_line_2, city, zip_code)

teams(id, name, number_of_players, discount)

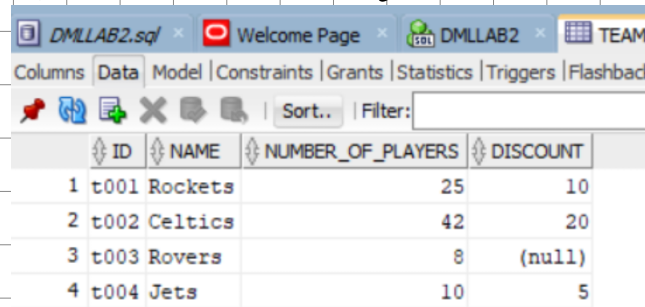
customers(ctr_number, email, first_name, last_name, phone_number, current_balance, ssc_id, tem_id)

customer_address(id, address_line_1, address_line_2, city, zip_code, ctr_number)

orders(id, odr_date, odr_time, number of units, ctr_number)

ordered_items(quantity_ordered, quantity_shipped, odr_id, itm_number)

Part 2 inserting rows to the system



The screenshot shows the Oracle SQL Developer interface with the 'TEAMS' table selected. The table has four columns: ID, NAME, NUMBER_OF_PLAYERS, and DISCOUNT. It contains four rows of data.

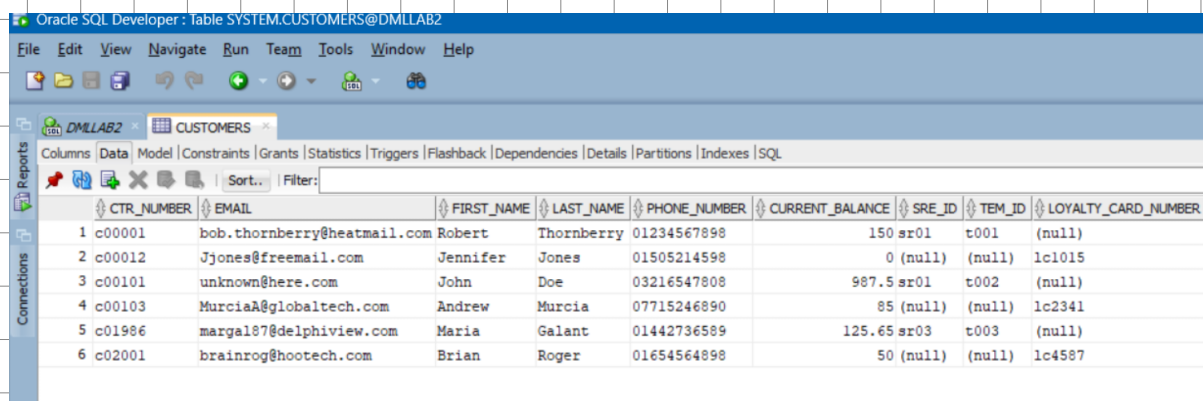
ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1	t001 Rockets	25	10
2	t002 Celtics	42	20
3	t003 Rovers	8	(null)
4	t004 Jets	10	5

1. INSERT INTO TEAMS (ID, NAME, NUMBER_OF_PLAYERS, DISCOUNT)
VALUES ('t004', 'Jets', 10, 5);

```
Error starting at line : 155 in command -  
INSERT INTO CUSTOMERS(ctr_number,email,first_name,last_name,phone_number,current_balance,loyalty_card_number)  
VALUES ('c02001','brainrog@hootech.com','Brian','Roger','01654564898',-5,'lc4587')  
Error report -  
ORA-02290: check constraint (SYSTEM.CHK_CURRENT_BALANCE) violated
```

2. INSERT INTO CUSTOMERS (CTR_NUMBER, EMAIL, FIRST_NAME, LAST_NAME,
PHONE_NUMBER, CURRENT_BALANCE, LOYALTY_
(CARD_NUMBER)

VALUES ('c02001', 'brainrog@hootech.com', 'Brian', 'Roger', '01654564898',
-5, 'lc4587')



The screenshot shows the Oracle SQL Developer interface with the 'CUSTOMERS' table selected. The table has nine columns: CTR_NUMBER, EMAIL, FIRST_NAME, LAST_NAME, PHONE_NUMBER, CURRENT_BALANCE, SRE_ID, TEM_ID, and LOYALTY_CARD_NUMBER. It contains six rows of data.

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	brainrog@hootech.com	Brian	Roger	01654564898	50 (null)	(null)	lc4587

3. INSERT INTO CUSTOMERS (CTR_NUMBER, EMAIL, FIRST_NAME, LAST_NAME,
PHONE_NUMBER, CURRENT_BALANCE, LOYALTY_
(CARD_NUMBER)

VALUES ('c02001', 'brainrog@hootech.com', 'Brian', 'Roger', '01654564898',
50, 'lc4587')

Part 2

Part 1 - updating rows to the system

1

```
START_DATE TO_CHAR( PRICE END_DATE TO_CH
-----
17/06/2017 09:00:00 4.99
25/11/2016 09:00:00 14.99 25/01/2017 17:00
25/01/2017 17:01:00 8.99 25/01/2017 19:00
26/01/2017 09:00:00 15.99
12/02/2017 12:30:00 7.99
25/04/2017 10:10:10 24.99
31/05/2017 16:35:30 149
7 rows selected.
```

2 UPDATE price_history SET end_date = sysdate, end_time = sysdate
WHERE itm_number = 'im01101048' AND end_date is null;

3

```
START_DATE START_TIME PRICE END_DATE END_TIME ITM_NUMBER
-----
17/06/2017 17/06/2016 4.99 im01101044
25/11/2016 25/11/2016 14.99 25/01/2017 25/01/2017 im01101045
25/01/2017 25/01/2017 8.99 25/01/2017 25/01/2017 im01101045
26/01/2017 26/01/2017 15.99 im01101045
12/02/2017 12/02/2017 7.99 im01101046
25/04/2017 25/04/2017 24.99 im01101047
31/05/2017 31/05/2017 149 07/11/2023 07/11/2023 im01101048
7 rows selected.
```

4 INSERT INTO price_history (start_date, start_time, price, itm_number)
VALUES (SYSDATE, SYSDATE, 99.99, 'im01101048');

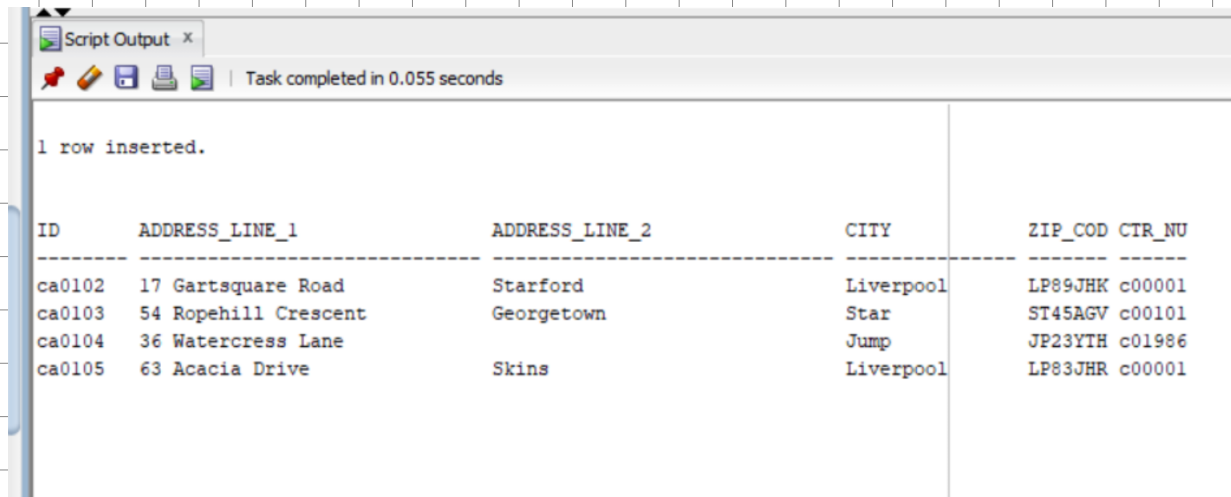
5

```
START_DATE START_TIME PRICE END_DATE END_TIME ITM_NUMBER
-----
17/06/2017 17/06/2016 4.99 im01101044
25/11/2016 25/11/2016 14.99 25/01/2017 25/01/2017 im01101045
25/01/2017 25/01/2017 8.99 25/01/2017 25/01/2017 im01101045
26/01/2017 26/01/2017 15.99 im01101045
12/02/2017 12/02/2017 7.99 im01101046
25/04/2017 25/04/2017 24.99 im01101047
31/05/2017 31/05/2017 149 07/11/2023 07/11/2023 im01101048
07/11/2023 07/11/2023 99.99 im01101048
8 rows selected.
```

Part 2: Deleting rows from the system

1. DELETE FROM customers_addresses
WHERE id = 'ca0101';

2. SELECT * FROM customer_address



Script Output x

Task completed in 0.055 seconds

1 row inserted.

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_COD	CTR_NU
ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
ca0104	36 Watercress Lane		Jump	JP23YTH	c01986
ca0105	63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001