



SECD2523-05 DATABASE

SEMESTER 1

SESSION 2023/2024

LAB 2 – DML1

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# PART 1

## Part 1

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

Inventory\_list Table, Items Table, Sales\_representatives Table, Sales\_rep\_addresses Table, Teams Table, Customers Table.

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.

Yes

```
1 row inserted.
```

```
1 row inserted.
```

```
1 row inserted.
```

```
1 row inserted.
```

```
1 row inserted.
```

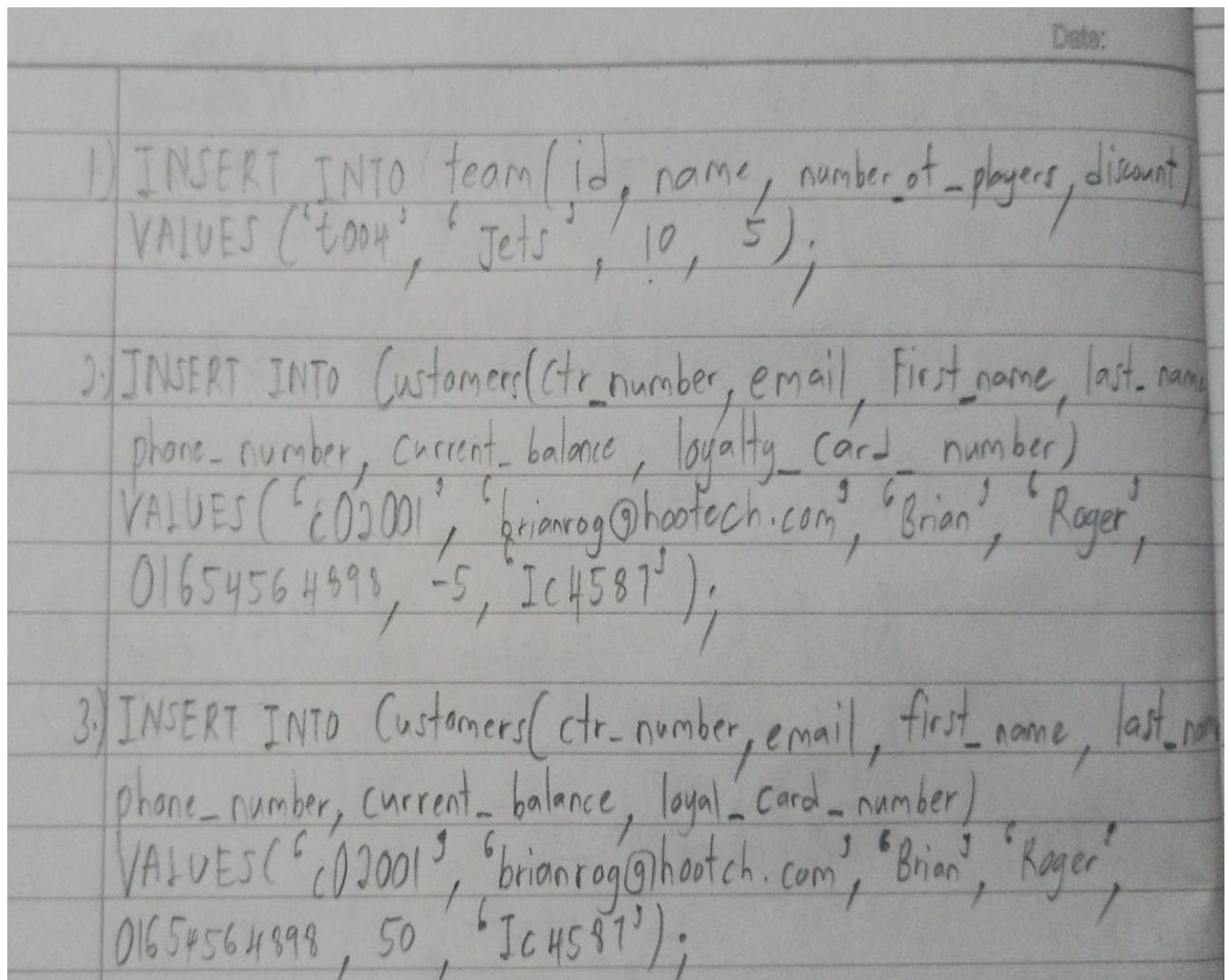
```
1 row inserted.
```

```
1 row inserted.
```

```
1 row inserted.
```

```
1 row inserted.
```

## Part 2



1.

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.

```
Error starting at line : 156 in 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, 'lc4587')  
Error report -  
ORA-02290: check constraint (SYSTEM.CHK_CURRENT_B_MIN) violated
```

## 3.

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)	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)	(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)	(null)	lc4587

## PART 2

Part 2

Part 1

- 2) UPDATE price\_history  
SET end\_date = SYSDATE, end\_time = CURRENT\_TIMESTAMP  
WHERE end\_date IS NULL AND item\_number = 'im01101048';
- 3) SELECT start\_date, TO\_CHAR(start\_time, 'HH24:MI:SS'),  
price, end\_date, TO\_CHAR(end\_time, 'HH24:MI:SS')  
FROM price\_history;
- 4) INSERT INTO price\_history  
VALUES(SYSDATE, CURRENT\_TIMESTAMP, 99.99, SYSDATE,  
CURRENT\_TIMESTAMP);
- 5) SELECT start\_date, TO\_CHAR(start\_time, 'HH24:MI:SS'),  
price, end\_date, TO\_CHAR(end\_time, 'HH24:MI:SS')  
FROM price\_history;

PART 2

- 1) DELETE FROM customers\_addresses  
WHERE address\_line\_1 = '93 Barkhill Drive';
- 2) SELECT \* FROM customer\_addresses;

# Part 1

1.

	START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
1	17-JUN-17	09:00:00	4.99	(null)	(null)
2	25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
3	25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
4	26-JAN-17	09:00:00	15.99	(null)	(null)
5	12-FEB-17	12:30:00	7.99	(null)	(null)
6	25-APR-17	10:10:10	24.99	(null)	(null)
7	31-MAY-17	16:35:30	149	(null)	(null)

3.

	START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
1	17-JUN-17	09:00:00	4.99	(null)	(null)
2	25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
3	25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
4	26-JAN-17	09:00:00	15.99	(null)	(null)
5	12-FEB-17	12:30:00	7.99	(null)	(null)
6	25-APR-17	10:10:10	24.99	(null)	(null)
7	31-MAY-17	16:35:30	149	09-NOV-23	22:46

5.

	START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
1	17-JUN-17	09:00:00	4.99	(null)	(null)
2	25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
3	25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
4	26-JAN-17	09:00:00	15.99	(null)	(null)
5	12-FEB-17	12:30:00	7.99	(null)	(null)
6	25-APR-17	10:10:10	24.99	(null)	(null)
7	31-MAY-17	16:35:30	149	09-NOV-23	22:46
8	09-NOV-23	22:54:27	99.99	09-NOV-23	22:54

## Part 2

2.

	↕ ID	↕ ADDRESS_LINE_1	↕ ADDRESS_LINE_2	↕ CITY	↕ ZIP_CODE	↕ CTR_NUMBER
1	ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
2	ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
3	ca0104	36 Watercress Lane	(null)	Jump	JP23YTH	c01986
4	ca0105	63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001