SQL 2 (DML)

PART I EXERCISE 1

Part 2

1. INSERT INTO teams(id, name, Number_of_players, discount)

VALUES ('t004', 'Jets', 10, 5);

SQL Worksheet

```sql
1   INSERT INTO teams (id, name, number_of_players, discount)
2   VALUES('t004', 'Jets', 10, 5);
3   select*from teams;
```

1 row(s) inserted.

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t004	Jets	10	5
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	-

2. INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number
   current_balance, sre_id, tem_id, loyalty_card_number

   VALUES ('CO2001', 'brianrog@hootechi.com', 'Brian', 'Rogers', '0165US34898',
   'IC4587')

SQL Worksheet   Clear   Find   Actions ▾

```sql
1 ∨ INSERT INTO customers (ctr_number, emial, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number)
2   VALUES('c02001', 'brianrog@hootech.com' , 'Brian', 'Rogers', '01654564898', -5, null, null, 'Ic4587');
3   select*from customers;
```

CTR_NUMBER	EMIAL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-
c02001	brianrog@hootech.com	Brian	Rogers	01654564898	-5	-	-	Ic4587

3. UPDATE customers

SET current_balance = 50

WHERE ctr_number = 'co2001';

select * from customers

SQL Worksheet

Clear   Find   Actions

```
1   INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,    current_balance, sre_id, tem_id, loyalty_card_number)
2   VALUES('c02001', 'brianrog@hootech.com' , 'Brian', 'Rogers', '01654564898', -5, null, null, Ic4587);
3   select *from customers
```

ORA-00984: column not allowed here

SQL Worksheet   ◇ Clear   ✦ Find   Actions ∨

```
1 ∨ update customers
2   set current_balance = 50
3   where ctr_number = 'c02001';
4   select*from customers;
```

CTR_NUMBER	EMIAL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	-	-	1c1015
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	1c2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-
c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	-	-	Ic4587

Part I

2. UPDATE price_history
   SET end_date = sysdate,
       end_time = CURRENT_TIMESTAMP
   WHERE itm_number = `im01101048`;

3. SELECT start_date, TO_CHAR(start_time, `HH24:MI:SS`) price, end_date, TO_CHAR(end_
   `H24:MI`)
   FROM price_history;

```sql
1  SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI')
2    FROM price_history;
```

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-

```sql
1 v  update price_history
2    set end_date = sysdate,
3        end_time = CURRENT_TIMESTAMP
4    where itm_number = 'im01101048';
5 v  SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI')
6    FROM price_history;
```

start_date	TO_CHAR(start_time...)	price	end_date	TO_CHAR(end_time...)
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	09-NOV-23	22:01

```
4.  UPDATE price_history
    SET price = 99.99
    WHERE end_date = sysdate;

5.  SELECT start_date, TO_CHAR(start_time, 'H24:MI:SS'), price, end_date, TO_CHAR
        end_time, 'H24:MI')
    FROM price_history;
```
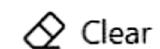
```sql
1   update price_history
2   set price = 99.99
3   where end_date = sysdate;
4   SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI')
5   FROM price_history;
```

start_date	start_time	price	end_date	end_time
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	99.99	09-NOV-23	05:47

Part 2

1. DELETE FROM customers_addresses
WHERE address_line_1 = '83 Barrhill Drive';

2. SELECT * FROM customers_addresses

SQL Worksheet

```sql
1 v  delete from customers_addresses
2    where address_line_1 = '83 Barrhill Drive';
3    select * from customers_addresses
```

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
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