

Lab exercise 2 (Part 1)

Part 1

1) inventory_list

ID	COST	UNITS
1 i1010230124	2.5	100
2 i1010230125	7.99	250
3 i1010230126	5.24	87
4 i1010230127	18.95	65
5 i1010230128	97.46	8

2) items

ITEM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
1 im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124
2 im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125
3 im01101046	socks	team socks with emblem	clothing	range	l	i1010230126
4 im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127
5 im01101048	premium bat	high quality baseball bat	equipment	(null)	(null)	i1010230128

3) price_history

START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITEM_NUMBER
1 17/06/2017	17/06/2016	4.99 (null)	(null)	(null)	im01101044
2 25/11/2016	25/11/2016	14.99 25/01/2017	25/01/2017	im01101045	
3 25/01/2017	25/01/2017	8.99 25/01/2017	25/01/2017	im01101045	
4 26/01/2017	26/01/2017	15.99 (null)	(null)	im01101045	
5 12/02/2017	12/02/2017	7.99 (null)	(null)	im01101046	
6 25/04/2017	25/04/2017	24.99 (null)	(null)	im01101047	
7 31/05/2017	31/05/2017	149 (null)	(null)	im01101048	

4) sales_representative

ID	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	COMMISSION_RATE	SUPERVISOR_ID
1 sr01	chray@bbl.com	Charles	Raymond	0134598761	10	sr01
2 sr02	vwright@bbl.com	Victoria	Wright	0134598762	5	sr01
3 sr03	hspeed@bbl.com	Barry	Speed	0134598763	5	sr01

5) sales_rep_addresses

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE
1 sr01 12	Cherry Lane	Denton	Detroit	DT48211
2 sr02 87	Blossom Hill	Uptown	Detroit	DT52314
3 sr03 12	Junction Row	Skinflats	Detroit	DT52564

6) teams

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

7) customers

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
1 c00001	bob.thornberry@bbsmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)
2 c00012	jones@freemail.com	Jennifer	Jones	01565214598	0	(null)	(null)	lc0105
3 c00101	unknown@bbs.com	John	Doe	03216547809	987.5	sr01	t002	(null)
4 c00103	Murcia@globaltech.com	Andrew	Murcia	07715246930	85	(null)	(null)	lc0241
5 c01986	magpal@bbsphiview.com	Maria	Galant	01442736559	125.65	sr03	t003	(null)

8) customer_addresses

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
1 ca0101 83	Barrhill Drive	(null)	Liverpool	LP798JK	c00001
2 ca0102 17	Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
3 ca0103 54	Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
4 ca0104 36	Watercress Lane	(null)	Jump	JP23YTH	c01986
5 ca0105 63	Acacia Drive	Skins	Liverpool	LP83JHR	c00001

9) orders

ID	ODR_DATE	ODR_TIME	NUMBER_OF_UNITS	CTR_NUMBER
1 or0101250	17/04/2017	17/04/2017	10	c00001
2 or0101350	24/05/2017	24/05/2017	5	c00001
3 or0101425	28/05/2017	28/05/2017	18	c00103
4 or0101681	02/06/2017	02/06/2017	10	c00001
5 or0101750	18/06/2017	18/06/2017	1	c01986

10) ordered_items

QUANTITY_ORDERED	QUANTITY_SHIPPED	ITEM_NUMBER	ODR_ID
1	5	5 im01101044	or0101250
2	5	5 im01101046	or0101250
3	5	5 im01101044	or0101350
4	18	18 im01101047	or0101425
5	10	10 im01101047	or0101681
6	1	1 im01101048	or0101750

Part 2

```
1) 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

```
2) 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, '1c4587');
```

```
3) ALTER TABLE Customers
```

```
ADD CONSTRAINT current_balance_min CHECK (current_balance >= 0)
```

```
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', 50, '1c4587');
```

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	Vjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015
3 c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)
4 c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341
5 c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)
6 c02001	brianrog@hoootech.com	Brian	Rogers	01654564898	50	(null)	(null)	1c4582

Lab exercise 2 (Part 2)

Part 1

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		

2) UPDATE price-history
SET end_date = SYSDATE, end_time = current_TIMESTAMP
WHERE itm-number = 'im01101048' AND end_date IS NULL;

3)

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	07/11/2023	17:09

4) INSERT INTO price-history (start_date, start_time, price, itm-number)
VALUES (SYSDATE, CURRENT_TIMESTAMP, 99.99, 'im01101048');

5)

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	07/11/2023	17:09
07/11/2023	20:57:11	99.99		

Part 2

1) `DELETE FROM customers_addresses
WHERE id = 'ca0101';`

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 Watercross Lane	(null)	Jump	JP23YTH	c01986
4	ca0105 63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001