

Section 6 Lesson 6 Exercise 1

Part 1

1. SELECT * FROM customers;

CTR_NUMBER	EMAIL	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	50	-	-	lc4587

2. SELECT * FROM teams;

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	-
T004	Jets	10	5

3. SELECT * FROM items;

ITEM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
im01101044	gloves	catcher mitt	clothing	brown	m	il010230124
im01101045	under shirt	top worn under the game top	clothing	white	s	il010230125
im01101046	socks	team socks with emblem	clothing	range	l	il010230126
im01101047	game top	team shirt with emblem	clothing	range	m	il010230127
im01101048	premium bat	high quality baseball bat	equipment	-	-	il010230128

Part 2

1. SELECT ctr-number, first-name, last-name, email,
phone-number
FROM customers;

CTR_NUMBER	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER
c00001	Robert	Thornberry	bob.thornberry@heatmail.com	01234567898
c00012	Jennifer	Jones	Jjones@freemail.com	01505214598
c00101	John	Doe	unknown@here.com	03216547808
c00103	Andrew	Murcia	MurciaA@globaltech.com	07715246890
c01986	Maria	Galant	margal87@delphiview.com	01442736589
c02001	Brian	Rogers	brianrog@hootech.com	01654564898

2. SELECT name, number_of_players
FROM teams;

NAME	NUMBER_OF_PLAYERS
Rockets	25
Celtics	42
Rovers	8
Jets	10

3. SELECT name, description, category

FROM items;

NAME	DESCRIPTION	CATEGORY
gloves	catcher mitt	clothing
under shirt	top worn under the game top	clothing
socks	team socks with emblem	clothing
game top	team shirt with emblem	clothing
premium bat	high quality baseball bat	equipment

Section 6 Lesson 6 Exercise 2

Part 1

```
1. SELECT first-name, last-name, current-balance,  
       current_balance / 12  
FROM customers;
```

2. SELECT first_name, last_name, ctr_number,
current_balance, current_balance - 5.00
FROM customers;

FIRST_NAME	LAST_NAME	CTR_NUMBER	CURRENT_BALANCE	CURRENT_BALANCE-5.00
Robert	Thornberry	c00001	150	145
Jennifer	Jones	c00012	0	-5
John	Doe	c00101	987.5	982.5
Andrew	Murcia	c00103	85	80
Maria	Galant	c01986	125.65	120.65
Brian	Rogers	c02001	50	45

3. Might lead to a loss of revenue for OBL's business.

Part 2

1. SELECT first-name "First Name", last-name "Last Name",
current-balance "Balance", current-balance/12 "Monthly Repayments"
FROM customers;

Part 3

1. SELECT 'The '||name||' team has '||number_of_players||' players and receive a discount of '||discount||' percent.'
AS "Team Information"
FROM teams;

Team Information

The Rockets team has 25 players and receive a discount of 10 percent.

The Celtics team has 42 players and receive a discount of 20 percent.

The Rovers team has 8 players and receive a discount of percent.

The Jets team has 10 players and receive a discount of 5 percent.

2. It is because the value is NULL or 0

Section 6 Lesson 7 Exercise 1

Part 1

1. SELECT * FROM customers

WHERE ctr_number = 'c01986'

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

2. SELECT first_name "First Name", last_name "Last Name",
ctr_number "Customer Number"
FROM customers
WHERE current_balance > 100;

First Name	Last Name	Customer Number
Robert	Thornberry	c00001
John	Doe	c00101
Maria	Galant	c01986

3. SELECT id "Order ID", odr-date "Order Date",
odr-time "Order Time"
FROM orders
WHERE odr-date < TO_DATE('28-05-2019',
'DD-MM-YYYY');

Order ID	Order Date	Order Time
or0101250	17-APR-17	17-APR-17
or0101350	24-MAY-17	24-MAY-17
or0101425	28-MAY-17	28-MAY-17
or0101681	02-JUN-17	02-JUN-17
or0101750	18-JUN-17	18-JUN-17

Part 2

1. SELECT id "Inventory ID", cost "Cost", units "Units"
FROM inventory-list
WHERE cost BETWEEN 3.00 AND 15.00;

Inventory ID	Cost	Units
il010230125	7.99	250
il010230126	5.24	87

Part 3

1. SELECT id "Inventory ID", cost "Cost", units "Units"
FROM inventory-list
WHERE units IN (50,100,150,200);

Inventory ID	Cost	Units
il010230124	2.5	100

Part 4

1. SELECT id "Inventory ID", cost "Cost", units "Units"
FROM inventory-list
WHERE units NOT IN (50,100,150,200);

Inventory ID	Cost	Units
il010230125	7.99	250
il010230126	5.24	87
il010230127	18.95	65
il010230128	97.46	8

Part 5

1. SELECT item-number "Item Number", name "Item Name"
FROM items
WHERE name LIKE 'g%';

Item Number	Item Name
im01101044	gloves
im01101047	game top

Part 6

1. SELECT item-number "Item Number", name "Item Name"
FROM items
WHERE name LIKE '%o%';

Item Number	Item Name
im01101044	gloves
im01101046	socks
im01101047	game top

Section 6 Lesson 7 Exercise 2

Part 1

1. SELECT 'The '`name`' team has '`number_of_players`'
'players and does not receive a discount.'
AS "Team Information"
FROM teams
WHERE discount is NULL;

Team Information

The Rovers team has 8 players and does not receive a discount.

2. SELECT 'The '`name`' team has '`number_of_players`'
'players and receive a discount of '`discount`' percent.'
AS "Team Information"
FROM teams
WHERE discount is NOT NULL;

Team Information

The Rockets team has 25 players and receive a discount of 10 percent.

The Celtics team has 42 players and receive a discount of 20 percent.

The Jets team has 10 players and receive a discount of 5 percent.

Part 2

1. SELECT ctr_number "Customer Number", address_line_1
"Street Address", zip_code "Postal Code"
FROM customers_addresses
WHERE city = 'Liverpool'
AND address_line_2 = 'Starford';

Customer Number	Street Address	Postal Code
00001	17 Gartsquare Road	LP89JHK

Part 3

1. SELECT ctr_number "Customer Number", address_line_1
"Street Address", zip_code "Postal Code"
FROM customers_addresses
WHERE city = 'Liverpool'
OR address_line_2 = 'Starford';

Customer Number	Street Address	Postal Code
c00001	17 Gartsquare Road	LP89JHK
c00001	63 Acacia Drive	LP83JHR

Part 4

1. SELECT ctr_number "Customer Number", address_line_1
"Street Address", zip_code "Postal Code"
FROM customers_addresses
WHERE city NOT IN ('Liverpool');

Customer Number	Street Address	Postal Code
c00101	54 Ropehill Crescent	ST45AGV
c01986	36 Watercress Lane	JP23YTH

Section 6 lesson 8 Exercise 1

1. SELECT name "Team Name", number_of_players
"Number of Players"
FROM teams
ORDER BY name;

Team Name	Number of Players
Celtics	42
Jets	10
Rockets	25
Rovers	8

2. SELECT name "Team Name", number_of_players
"Number of Players"
FROM teams
ORDER BY number_of_players DESC;

Team Name	Number of Players
Celtics	42
Rockets	25
Jets	10
Rovers	8

3. SELECT name "Team Name", number_of_players
"Number of Players"
FROM teams
ORDER BY name DESC;

Team Name	Number of Players
Rovers	8
Rockets	25
Jets	10
Celtics	42

Section 6 Lesson 8 Exercise 2

Part 1

1. SELECT ROWNUM AS "Newest Customer",
first_name || ' ' || last_name "Customer Name"
FROM
(SELECT first_name, last_name
FROM customers
ORDER BY ctr_number)
WHERE ROWNUM <= 3;

Newest Customer	Customer Name
1	Robert Thornberry
2	Jennifer Jones
3	John Doe

Part 2

```
1. SELECT first-name AS "First Name,  
last-name AS "Last Name",  
commission-rate AS "Commission Rate"  
FROM sales-representatives  
WHERE commission-rate = commission rate  
ORDER BY last-name;
```

First Name	Last Name	Commission Rate
Victoria	Wright	5
Barry	Speed	5