



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SESSION 2023/2024 SEMESTER 1

SECD2523 – DATABASE

Lab Exercise 3

Name : Puventhiran A/L Ganeson

Matric No. : A22EC0262

Section : 10

Lecturer : Dr. Rozilawati

Lab 3

Part 1

- 1) SELECT * FROM customers;
- 2) SELECT * FROM teams;
- 3) SELECT * FROM items;
- 4) SELECT ctk_number, first_name, last_name, email, phone_number
FROM customer;
- 5) SELECT name, number_of_players FROM teams;
- 6) SELECT name, description, category FROM items;

Part 2

- 1) SELECT first_name, last_name, current_balance, Round(current_balance / 12, 2),
FROM customers;
- 2) SELECT first_name, last_name, customer_number, current_balance, Current-
balance - 5.00 FROM customers;
- 3)
- 4) SELECT first_name AS "First Name", last_name AS "Last Name",
current_balance AS "Balance", Round(current_balance / 12, 2) AS
"Monthly Repayments" FROM customers;
- 5) SELECT 'The ' || name || ' team has ' || number_of_players || ' players
and receives a discount of ' || discount || ' percent.' AS "Team
Information" FROM teams;

6) Because the last team Discount is NULL.

Part 3

1) SELECT * customers WHERE ctr-number = 'C01916';

2) SELECT first_name AS "First Name", last_name AS "Last Name",
ctr-number AS "Customer Number" WHERE current-balance > 100;

3) SELECT id, odr-date AS "Order Date", odr-time AS "Order Time"
FROM orders WHERE odr-date < '23-MAY-19';

4) SELECT id AS "Inventory Id", cost AS "Cost", units AS "Numbers
of Units" FROM inventory-list WHERE cost BETWEEN 3.00 AND
15.00;

5) SELECT id AS "Inventory Id", cost AS "Cost", units AS "Number of
Units" FROM inventory-list WHERE units IN (50, 100, 150, 200);

6) SELECT id AS "Inventory Id", cost AS "Cost", units AS "Number of
Units" FROM inventory-list WHERE units NOT IN (50, 100, 150, 200);

7) SELECT name, itm-number AS "Item Number" FROM items
WHERE name LIKE 'g%';

8) SELECT name, itm-number AS "Item Number" FROM items
WHERE name LIKE '%0%';

Part 4

1) SELECT 'The' || name || 'team has' || number-of-players || 'player
and does not receive a discount' AS "Team
Information" FROM teams WHERE discount is NOT NULL;

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;

3) SELECT ctr_number AS "Customer Number", address_line_1 AS
"Street Address", zip_code AS "Postal Code" FROM customer_address
WHERE address_line_2 = 'Stanford' AND city = 'Liverpool';

4) SELECT ctr_number AS "Customer Number", address_line_1 AS
"Street Address", zip_code AS "Postal Code" FROM customer_address
WHERE address_line_2 = 'Stanford' OR city = 'Liverpool';

5) SELECT ctr_number AS "Customer Number", address_line_1 AS
"Street Address", zip_code AS "Postal Code" FROM customer_address
WHERE city NOT IN ('Liverpool');

Part 5

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

2) SELECT name AS "Team Name", number_of_players AS "Number
of Players" FROM team ORDER BY number_of_players DESC;

3) SELECT name AS "Team Name", number_of_players AS "Players"
FROM teams ORDER BY name DESC;

Part 6

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

2) SELECT first_name AS "First Name" last_name AS "Last Name" FROM sales_representatives WHERE commission_rate = : commission_rate ORDER BY last_name;

Lab 3

Part 1

1)

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)	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@hootech.com	Brian	ROGERS	01654564898	50	(null)	(null)	1c4587

2)

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

3)

ITM_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 quaity baseball bat	equipment	(null)	(null)	i1010230128

4)

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

5)

	NAME	NUMBER_OF_PLAYERS
1	Rockets	25
2	Celtics	42
3	Rovers	8
4	Jets	10

6)

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

Part 2

1)

	FIRST_NAME	LAST_NAME	CURRENT_BALANCE	ROUND(CURRENT_BALANCE/12,2)
1	Robert	Thornberry	150	12.5
2	Jennifer	Jones	0	0
3	John	Doe	987.5	82.29
4	Andrew	Murcia	85	7.08
5	Maria	Galant	125.65	10.47
6	Brian	ROGERS	50	4.17

2)

	FIRST_NAME	LAST_NAME	CURRENT_BALANCE	CURRENT_BALANCE-5.00
1	Robert	Thornberry	150	145
2	Jennifer	Jones	0	-5
3	John	Doe	987.5	982.5
4	Andrew	Murcia	85	80
5	Maria	Galant	125.65	120.65
6	Brian	ROGERS	50	45

3)

	First Name	Last Name	Balance	Monthly Repayments
1	Robert	Thornberry	150	12.5
2	Jennifer	Jones	0	0
3	John	Doe	987.5	82.29
4	Andrew	Murcia	85	7.08
5	Maria	Galant	125.65	10.47
6	Brian	ROGERS	50	4.17

4)

Team Information
1 THE Rockets team has 25 players and receive a discount of 10 percent.
2 THE Celtics team has 42 players and receive a discount of 20 percent.
3 THE Rovers team has 8 players and receive a discount of percent.
4 THE Jets team has 10 players and receive a discount of 5 percent.

Part 3

1)

Team Information
1 THE Rockets team has 25 players and receive a discount of 10 percent.
2 THE Celtics team has 42 players and receive a discount of 20 percent.
3 THE Rovers team has 8 players and receive a discount of percent.
4 THE Jets team has 10 players and receive a discount of 5 percent.

2)

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

3)

ID	Order Date	Order Time
1 or0101250	17-APR-17	17-APR-17
2 or0101350	24-MAY-17	24-MAY-17
3 or0101425	28-MAY-17	28-MAY-17
4 or0101681	02-JUN-17	02-JUN-17
5 or0101750	18-JUN-17	18-JUN-17

4)

Inventory ID	Cost	Number of Units
1 i1010230125	7.99	250
2 i1010230126	5.24	87

5)

Inventory ID	Cost	Number of Units
1 i1010230124	2.5	100

6)

Inventory ID	Cost	Number of Units
1 i1010230125	7.99	250
2 i1010230126	5.24	87
3 i1010230127	18.95	65
4 i1010230128	97.46	8

7)

NAME	Item Number
1 gloves	im01101044
2 game top	im01101047

8)

	NAME	Item Number
1	gloves	im01101044
2	socks	im01101046
3	game top	im01101047

Part 4

1)

Team Information
1 THE Rovers team has 8 players and does not receive a discount.

2)

Team Information
1 THE Rockets team has 25 players and receive a discount of 10 percent.
2 THE Celtics team has 42 players and receive a discount of 20 percent.
3 THE Jets team has 10 players and receive a discount of 5 percent.

3)

Customer Number	Street Address	Postal Code
1 c00001	17 Gartsquare Road	LP89JHK

4)

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

5)

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

Part 5

1)

Team Name	Number of Players
1 Celtics	42
2 Jets	10
3 Rockets	25
4 Rovers	8

2)

Team Name	Number of Players
1 Celtics	42
2 Rockets	25
3 Jets	10
4 Rovers	8

3)

Team Name	Players
1 Rovers	8
2 Rockets	25
3 Jets	10
4 Celtics	42

Part 6

1)

	Highest Customer Number	Customer Name
1	1	Robert Thornberry
2	2	Jennifer Jones
3	3	John Doe

2)

The screenshot shows a dialog box titled "Enter Binds". On the left is a list box containing the word "commision". To the right of the list box, the "Name:" label is followed by a text field containing "commision". Below this, there is a checked checkbox labeled "NULL". Further down, the "Value:" label is followed by an empty text field. At the bottom of the dialog, there are three buttons: "Help", "Apply", and "Cancel".