

SECD2523-06 (DATABASE)

DML₂

Faculty of Computing 21/12/2023

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DML 2

LESSON 6 Exercise 1

Part 1

1. Select * From customers;

Scrip	t Output ×	Query Result X				
* 🖺	🚱 🅦 SQL	All Rows Fetched: 6 in 0.003 seconds				
					♦ PHONE_NUMBER	
1	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	
2	c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	
3	c00101	unknown@here.com	John	Doe	03216547808	
4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	
6	c02001	brianrog@hootech.com	Brian	Rogers	01654564898	

2. SELECT * + ROM TEAMS;

	∯ ID	NAME	NUMBER_OF_PLAYERS	
1	too4	jets	10	5
2	t001	Rockets	25	10
3	t002	Celtics	42	20
4	t003	Rovers	8	(null)

3. SELECT * FROM ITEMS

		♦ NAME				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	1	i1010230126
4	im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127
5	im01101048	premium bat	high quaity basball bat	equipment	(null)	(null)	i1010230128

Part 2

1. SELECT ctr_number, first_name, last_name, email, phone_number prom customers;

					♦ 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

2. SELECT name, number_of-players team teams;

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

3. SELECT rame, description, category FROM Hems;

	NAME	⊕ DESCRIPTION	
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 quaity basball bat	equipment

LESSON 6 Exercise 2

Part 1

1. SELECT first-name, last-name, ctr_number, current_bakince/12 As "MORTHly PAY"

FROM CUSTOMERS

	E & LAST_NAME		CURRENT_BALANCE	♦ MONTHLY PAY
1 Robert	Thornberry	c00001	150	12.5
2 Jennifer	Jones	c00012	0	0
3 John	Doe	c00101	987.5	82.291666666666666666666666666666666666
4 Andrew	Murcia	c00103	85	7.08333333333333333333333333333333333333
5 Maria	Galant	c01986	125.65	10.4708333333333333333333333333333333333
6 Brian	Rogers	c02001	50	4.1666666666666666666666666666666666666

2. SELECT first-name, last-name, ctr-number, current-balance, current-balance-s FROM CUSTUMERS

				CURRENT_BALANCE	CURRENT_BALANCE-5
1	Robert	Thornberry	c00001	150	145
2	Jennifer	Jones	c00012	0	-5
3	John	Doe	c00101	987.5	982.5
4	Andrew	Murcia	c00103	85	80
5	Maria	Galant	c01986	125.65	120.65
6	Brian	Rogers	c02001	50	45

3. The current balance cannot be zero value

Part 2 SELECT first-name as "First Hame", last-name As "Last Name",

current-balance as "Balance", current-balance/12 as "Monthly Repayments"

1. FROM CUSTOMERS;

∯ FIrst	√ \$\tag{\text} Last Name		♦ Monthly Repayments
Robert	Thornberry	150	12.5
Jennifer	Jones	0	0
John	Doe	987.5	82.2916666666666666666666666666666666666
Andrew	Murcia	85	7.08333333333333333333333333333333333333
Maria	Galant	125.65	10.4708333333333333333333333333333333333
Brian	Rogers	50	4.1666666666666666666666666666666666

Part 3
1. SELECT 'The' Il name Il 'team has' Il number_of_players Il' players and receives a discount of'
Il discount Il 'percent'

FROM TEAMS

1 Th	e jets Team has 10 players and receives a discount of 5 percent
	e Rockets Team has 25 players and receives a discount of 10 percent
3 Th	e Celtics Team has 42 players and receives a discount of 20 percent

2. because team boxers has not raine in percent column.
thus it will shown in result

LESSON 7 EXCERCISE 1

Part 1

1. SELECT * FROM LUSTOMERS
WHERE first-name = 'Maria'

	-							
		\$LAST_NAME	♦ PHONE_NUMBER	CURRENT_BALANCE		↑ TEM_ID	\$LOYALTY_CARD_NUMBER	
1 iew.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)	

2. SELECT first_name, last_name, chr_number As "Customer Humber" FROM CUSTOMERS
WHERE current-balance > 100;

		LAST_NAME	
1	Robert	Thornberry	c00001
2	John	Doe	c00101
3	Maria	Galant	c01986

3 SELECT * + ROM ORDERS
WHERE Odv-date < '28-MAY-2019';

	∯ ID	ODR_DATE		NUMBER_OF_UNITS	
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

PART 2

SELECT W, cost, unity FROM INVENTORY_LIST WHERE COST BETWEEN 3 AND 15;

	∯ ID	♦ COST	⊕ UNITS
1	i1010230125	7.99	250
2	i1010230126	5.24	87

Part 3

1. SELECT W., West, units From INVENTORY-LIST
WHERE ANH IN(50,100,150,200);

	∯ ID		∯ UNITS
1	i1010230124	2.5	100

Part 4

SELECT 10, cost, units from INVENTORY_LIST

WHERE units HOT IN (50, 160, 150, 200)

	∯ ID		∜ UNITS
1	i1010230125	7.99	250
2	i1010230126	5.24	87
3	i1010230127	18.95	65
4	i1010230128	97.46	8

Part 5

SELECT 1+m_number, name + EOM ITEMS

WHERE name LIKE '9%';

	∮ ITM_NUMBER	∜ NAME
1	im01101044	gloves
2	im01101047	game top

Part 6 SELECT Hm_number, name FROM ITEMS WHERE hame LIKE LO?';

	∮ ITM_NUMBER	∯ NAME	
1	im01101046	socks	

(LESSON 7 EXERCISE 2)

PART 1

SELECT 'The' II name II 'team has ' II number_of_players II 'players and does not receive discount of FROM TEAMS WHERE discount IC MULL;

THE'||NAME||TEAMHAS'||NUMBER_OF_PLAYERS||PLAYERSANDDOESNOTRECEIVEADISCOUNT

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

SELECT 'The' Il name Il 'team has ' Il number_of-players Il 'players and 2. receive discount of 11 discount 11 percent FROM TEAMS WHERE discount = 10;

THE | NAME | TEAMHAS | NUMBER_OF_PLAYERS | PLAYERS |

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

SELECT ctransmover to "Customer Humber", address-line-1 AS "Street_Address" Part 2 21p_code hs "Postal Code" WHERE address_line_2 = "Starford" AND CITY = 'Lixcrpool";

	Customer Number		
1	c00001	17 Gartsquare Road LP89JHK	

SELECT Granmber As "Customer Number", address_line_1 As "Street Address" Part 3 21p_code As "Postal Code" WHERE address_line_2 = 'Starford' OR CITY = 'Lixcrpoo)';

		Street Address	
1	c00001	83 Barrhill Drive	LP79HJK
2	c00001	17 Gartsquare Road	LP89JHK
3	c00001	63 Acacia Drive	LP83JHR

SELECT CAL-number As "Customer Number", address_line_) As "Street Address" 21p_code As "Portal Code" PART 4 WHERE CITY <> 'Likerpool';

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

LESSON 8 EXERCISE 1

1 SELECT name, number-of-players As "Number of Players"
FROM TEAMS urder by name;

	NAME	Number of Players
1	Celtics	42
2	Rockets	25
3	Rovers	8
4	jets	10

2 SELECT name, number-of-players As "Number of Players"
FROM TEAMS under by number-of-players;

	NAME	Number of Players
1	Rovers	8
2	jets	10
3	Rockets	25
4	Celtics	42

3 SELECT name as "Team Hame", number - of -players As "Players"
FROM TEAMS Urder by DESC;

	∜ Team Name	
1	jets	10
2	Rovers	8
3	Rockets	25
4	Celtics	42

1. SELECT ROWHUM AS "(ustomer Number", first_name Il ' ' |) last_name As "(ustomers Mame"

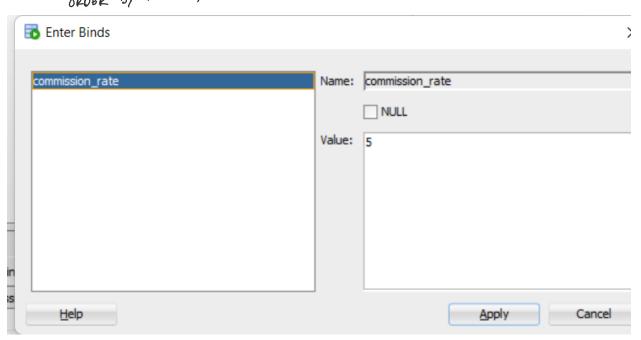
FROM (SELECT first_name, last_name FROM customERS)

WHERE ROWNUM <= 3

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

SELECT first-name As "First Hame", last-name As "Last Name", commission-rate As " Commission Rak"

2. FROM SALES_REPRESENTATIVES
WHERE commission_rak = : commission_rak
OROER By last name;



	First Name		Commission Rate	
1	Barry	Speed	5	
2	Victoria	Wright	5	