

SECD2523-06 (DATABASE)

LAB EXCERCISE 4:DML 3

Faculty of Computing 25/12/2023

Prepared by:

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LESSON 9 EXCERCISE 1

Part 1

FROM SALES_REPRESENTATIVES NATURAL JOIN SALES_REP_ADDRESSES 1. SELECT

🖺 🙌 🗽 SQL All Rows Fe	etched: 3 in 0.024	4 seconds							
			♦ PHONE_NUMBER	COMMISSION_RATE	\$ SUPERVISOR_ID				
1 sr01 chray@obl.com	Charles	Raymond	0134598761	10	sr01	12 Cherry Lane	Denton	Detroit	DT48211
2 sr02 vwright@obl.com	Victoria	Wright	0134598762	5	sr01	87 Blossom Hill	Uptown	Detroit	DT52314
3 sr03 bspeed@obl.com	Barry	Speed	0134598763	5	sr01	12 Junction Row	Skinflats	Detroit	DT52564

2. SELECT id, first_name, last_name, address_line_1, address_line_2, (if y, email, phone_number FRUM SALES_REPRESENTATIVES HATURAL JOIN SALES_REP_ ADDRESSES

	∯ ID		LAST_NAME	\$\text{ADDRESS_LINE_1}	\$ ADDRESS_LINE_2			PHONE_NUMBER
1	sr01	Charles	Raymond	12 Cherry Lane	Denton	Detroit	chray@obl.com	0134598761
2	sr02	Victoria	Wright	87 Blossom Hill	Uptown	Detroit	vwright@obl.com	0134598762
3	sr03	Barry	Speed	12 Junction Row	Skinflats	Detroit	bspeed@obl.com	0134598763

Part 2

1. SELECT id, first-name, last-name, address_line_1, address_line_2, city, email, phone_number FROM SALES_REPRESENTATIVES HATURAL JOIN SALES_REP_ ADDRESSES USING (id)

No.		(F)	🗱 SQL All Ro	ws Fetched: 3 i	n 0.006 seconds				
		∯ ID					CITY		♦ PHONE_NUMBER
	1	sr01	Charles	Raymond	12 Cherry Lane	Denton	Detroit	chray@obl.com	0134598761
	2	sr02	Victoria	Wright	87 Blossom Hill	Uptown	Detroit	vwright@obl.com	0134598762
	3	sr03	Barry	Speed	12 Junction Row	Skinflats	Detroit	bspeed@obl.com	0134598763

2. SELECT * FROM ITEM JOIN PRICE_HITTORY UTHG LITM-HUMBER)

	NAME	⊕ DESCRIPTION			Size		\$ START_DATE	\$ START_TIME	PRICE		
1 im01101044	gloves	catcher mitt	clothing	brown	m	11010230124	17/06/2017	17/06/2016	4.99	(null)	(null)
2 im01101045	under shirt	top worn under the game top	clothing	white	S	i1010230125	25/11/2016	25/11/2016	14.99	25/01/2017	25/01/2017
3 im01101045	under shirt	top worn under the game top	clothing	white	S	i1010230125	25/01/2017	25/01/2017	8.99	25/01/2017	25/01/2017
4 im01101045	under shirt	top worn under the game top	clothing	white	S	i1010230125	26/01/2017	26/01/2017	15.99	(null)	(null)
5 im01101046	socks	team socks with emblem	clothing	range	1	i1010230126	12/02/2017	12/02/2017	7.99	(null)	(null)
6 im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127	25/04/2017	25/04/2017	24.99	(null)	(null)
7 im01101048	premium bat	high quaity basball bat	equipment	(null)	(null)	11010230128	31/05/2017	31/05/2017	149	(null)	(null)

Part 3 SELECT C. Ctr_number, c-first_name, c.last_name, c.phone_number
c.email, s.id, s.first_name, s.email

FROM CUSTOMERS C JOIN SALES_REPRESENTATIVES &

ON (c.sre_id = s.id)

	⊕ CTR_NUMBER		\$ LAST_NAME	PHONE_NUMBER	∯ EMAIL	∯ ID	FIRST_NAME_1	\$LAST_NAME_1	⊕ EMAIL_1
1	c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com
2	c00101	John	Doe	03216547808	unknown@here.com	sr01	Charles	Raymond	chray@obl.com
3	c01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03	Barry	Speed	bspeed@obl.com

Part 4 SELECT C. Ctr_number, c-first_name, c.last_name, c.phone_number
c.email, s.id, s.first_name, s.last_name, s.email

FROM CUSTOMERS C JOIN SALES_REPRESENTATIVES S

ON (c.sre_id = s.id)

JOIN teams t

UN (C.tem_id = t.id)

_										
	CTR_NUMBER			♦ PHONE_NUMBER	⊕ EMAIL	∯ ID			⊕ EMAIL_1	
1	00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com	Rockets
2	00101	John	Doe	03216547808	unknown@here.com	sr01	Charles	Raymond	chray@obl.com	Celtics
3	01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03	Barry	Speed	bspeed@obl.com	Rovers

Part 5 C. Ctr_number, c-first_name, c.last_name, c.phone_number

From customers c Join Sales_Representatives s

ON (c.sre-id = s.id)

JOIN teams t

UN (c.tem_id = t.id)

AND c.cdr_number = 'COOOOI'

	♦ FIRST_NAME		♦ PHONE_NUMBER		∯ ID	∳ FIRST_NAME_1	\$LAST_NAME_1		TEAM NAME
1 c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com	Rockets

Part 6 SELECT 'The cost of 'Il i. name II' on this day was 'll p. price

FROM ITEMS I JOIN PRICE HISTORY P

ON I. itm-number = 'imollologs' AND ('12-DEC-2016'

BETWEEN p. start _date AND p. end_date)

1 The cost of under shirt on this day was 14.99

LESSON 9 EXCERCISE 2

Part 1 SELECT rep-First-name | rep. last-name As "Mame"

Sp. first-name | rep. last-name Ar " SUPERYISTE"

FROM sales-representatives rep JUIN sales-representatives sp

OH (Sp.id = rep. Supervisor-Id);

	Name	
1	CharlesRaymond	CharlesRaymond
2	VictoriaWright	CharlesRaymond
3	BarrySpeed	CharlesRaymond

PART 2
SELECT teams t LEFT OUTER JUIN CUSTOMERS C
ON (c.tem-id = t.il)

∯ ID	NAME	NUMBER_OF_PLAYERS					\$ LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE		TEM_ID	\$ LOYALTY_CARD_NUMBER
1 t001	Rockets	25	10	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)
2 t002	Celtics	42	2 20	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)
3 t003	Rovers	8	(null)	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)
4 too4	jets	10) 5	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)

PART 3 & ELECT * CROSS JUIN Sales_representatives

	⊕ EMAIL			♦ PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	\$LOYALTY_CARD_NUMBER	∯ ID	⊕ EMAIL_1		LAST_NAME_1	1 (∳
1 c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr01	chray@obl.com	Charles	Raymond	01 ^
2 c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr02	vwright@obl.com	Victoria	Wright	01
3 c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr03	bspeed@obl.com	Barry	Speed	01
4 c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015	sr01	chray@obl.com	Charles	Raymond	01
5 c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015	sr02	vwright@obl.com	Victoria	Wright	01
6 c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1015	sr03	bspeed@obl.com	Barry	Speed	01
7 c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr01	chray@obl.com	Charles	Raymond	01
8 c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr02	vwright@obl.com	Victoria	Wright	01
9 c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr03	bspeed@obl.com	Barry	Speed	01
10 c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr01	chray@obl.com	Charles	Raymond	01
11 c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr02	vwright@obl.com	Victoria	Wright	01
12 c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr03	bspeed@obl.com	Barry	Speed	01
13 c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)	sr01	chray@obl.com	Charles	Raymond	01
14 c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)	sr02	vwright@obl.com	Victoria	Wright	01
15 c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)	sr03	bspeed@obl.com	Barry	Speed	01
16 c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	(null)	(null)	1c4587	sr01	chray@obl.com	Charles	Raymond	01
17 c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	(null)	(null)	1c4587	sr02	vwright@obl.com	Victoria	Wright	01
18 c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	(null)	(null)	1c4587	sr03	bspeed@obl.com	Barry	Speed	01