DML 3 - PART I

Exercise 1

PART 1

1. SELECT * FROM customers NATULAL JOIN sales rep addresses:

🖉 Clear 🖎 Find Actions 🕶





SELECT *FROM sales_representatives NATURAL JOIN sales_rep_addresses;

ID	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	COMMISSION_RATE	SUPERVISOR_ID	ADDRESS_LINE_1	ADDRESS_LINE_
sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01	12 Cherry Lane	Denton
sr02	vwright@obl.com	Victoria	Wright	0134598762	5	sr01	87 Blossom Hill	Uptown
sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01	12 Junction Row	Skinflats

2- ISELECT aid, fist-name, last-name, address line. I, address line. I , address line. I phore-number trom sales represtantatives an ATURAL JOIN, sales represtantatives;



- 1 <code>SELECT</code> id, <code>first_name</code>, <code>last_name</code>, <code>address_line_1</code>, <code>address_line_2</code>, <code>city</code>, <code>email</code>, <code>phone_Number</code>
- 2 FROM sales_representatives NATURAL JOIN sales_rep_addresses;

ID	FIRST_NAME	LAST_NAME	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	EMAIL	PHONE_NUMBER
sr01	Charles	Raymond	12 Cherry Lane	Denton	Detroit	chray@obl.com	0134598761
sr02	Victoria	Wright	87 Blossom Hill	Uptown	Detroit	vwright@obl.com	0134598762
sr03	Barry	Speed	12 Junction Row	Skinflats	Detroit	bspeed@obl.com	0134598763

PART 2

SELECT id, flist-name, last-name, addresselline 1; addresselline 2; city, email, phone number

FROM sales representatives in intomy on sales reproduces a

USING Cid);

🛆 Clear 🦎 Find Actions 🗸





- SELECT id, first_name, last_name, address_line_1, address_line_2, city, email, phone_number
 - FROM sales_representatives JOIN sales_rep_addresses
- 3 USING (id);

ID	FIRST_NAME	LAST_NAME	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	EMAIL	PHONE_NUMBER
sr01	Charles	Raymond	12 Cherry Lane	Denton	Detroit	chray@obl.com	0134598761
sr02	Victoria	Wright	87 Blossom Hill	Uptown	Detroit	vwright@obl.com	0134598762
sr03	Barry	Speed	12 Junction Row	Skinflats	Detroit	bspeed@obl.com	0134598763

USING Cyitm_humbor);

VIVO X90 | ZEISS
26 Dec 2023, 14:29





SQL Worksheet

🖉 Clear 🦠 Find Actions 🕶

Run 🖸

V Select * FROM items JOIN price_history USING (itm_number);

ITM NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID	START DATE	START TIME	PRICE	END DATE	END_TIME
im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124	17-JUN-17	17-JUN-16	4.99	-	-
im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125	25-NOV-16	25-NOV-16	14.99	25-JAN-17	25-JAN-17
im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125	25-JAN-17	25-JAN-17	8.99	25-JAN-17	25-JAN-17
im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125	26-JAN-17	26-JAN-17	15.99	-	-
im01101046	socks	team socks with emblem	clothing	range	1	i1010230126	12-FEB-17	12-FEB-17	7.99	-	-
im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127	25-APR-17	25-APR-17	24.99	-	-

	No.:	Date:
	PART 3	
1	SELECT C. Ctr_number "Customor Number",	Csist name "Customer First Name"
	c-last_nome "Customer Last Nam	ne", c phone_number. "Cuptomer Phone Number",
	C-email "Customer Email", s-io	"Sale Do", sfirst_name "sale First Name"
	s-last_name "Sale Last Name"	cemail " sate Email" - nom Cultural
	FROM customers c JUN sales_rep.	resantatives s
	ON Cc. sre_id = s. id)	
	JOHN TOWN E	

```
SELECT c.ctr_number "Customer Number", c.first_name "Customer First Name",
c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
c.email "Customer Email", s.id "Sale ID", s.first_name "Sale First Name", s.last_name "Sale Last Name",
s.email "Sale Email"
FROM customers c JOIN sales_representatives s
ON (c.sre_id = s.id);
```

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sale ID	Sale First Name	Sale Last Name	Sale Email
c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com
c00101	John	Doe	03216547808	unknown@here.com	sr01	Charles	Raymond	chray@obl.com
c01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03	Barry	Speed	bspeed@obl.com

Saute Control of the	Do.:	Date:
	PART 3	
1.	SELECT C. Ctr_number "Customor Number", C-Sitst_name	"Customer First Name",
	c.last_rame "Customer Last Name", c phone_r	
	c-email "Customer Email", s-id "sale 20",	
	s-last_name in Sale Last Abome " cemail " s	sate Email", t-name" Cust Team No
	FROM customers c OOM sales_representatives !	
	ON Cc_sre_id = 8- rd) -,	
14	JOIN teams t	
	ON (c. texam_id = f. id);	
	WHERE c ctr_number = 1 c00001'-	
	Time in the second of the seco	Y and the
VÍVO X90 I	ZEISS	
26 Dec 2023, 14		- 1

QL WORKSneet

```
SELECT c.ctr_number "Customer Number", c.first_name "Customer First Name",
c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
c.email "Customer Email",
s.id "Sale Rep ID", s.first_name "Sale Rep First Name", s.last_name "Sale Rep Last Name",
s.email "Sale Rep Email",
t.name "Customer Team Name"
FROM customers c JOIN sales_representatives s
ON (c.sre_id = s.id)
```

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sale Rep ID	Sale Rep First Name	Sale Rep Last Name	Sale Rep Email	Customer Team Name
c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com	Rockets
c00101	John	Doe	03216547808	unknown@here.com	sr01	Charles	Raymond	chray@obl.com	Celtics
c01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03	Barry	Speed	bspeed@obl.com	Rovers

FROM items 9

TOWN price history b ON a 14m-number = b. Hm-number

WHERE a itm-number = 1 im 0 (101045) months and the b. Start date AND

b. End - date?



```
SELECT 'The cost of the ' || a.name || ' on 12-Dec-2016 was ' || b.price AS "Part 6"
FROM items a
JOIN price_history b ON a.itm_number = b.itm_number
WHERE a.itm_number = 'im01101045'
AND TO_DATE('12-Dec-2016', 'DD-Mon-YYYY') BETWEEN b.start_date AND b.end_date;
```

Part 6

The cost of the under shirt on 12-Dec-2016 was 14.99

Exerci	se 2
	그는 그를 가장 아름고 있었다. 그는
SELE	et n. fitst_name 11 "11 n. last_name As Rep, s-first_name 11"11s
	As supervisor tours sales representatives s
FROM	aleg_representatives X Join saleg_representatives S id = S-supervisor_id);

🛆 Clear 🖎 Find Actions 🕶

```
SELECT x.first_name || ' ' || x.last_name AS Rep, s.first_name || ' ' || s.last_name AS supervisor
From sales_representatives x JOIN sales_representatives s
ON (x.supervisor_id = s.id);
```

REP	SUPERVISOR
Charles Raymond	Charles Raymond
Victoria Wright	Charles Raymond
Barry Speed	Charles Raymond

PORT Z

1. BELECT TO FROM teams & LEFT OUTER JON whomas C

ON Ct.id = c.tem.id);

□ Save



1 V SELECT * FROM teams t LEFT OUTER JOIN customers c ON (t.id = c.tem_id);

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT	CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	T
t001	Rockets	25	10	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t
t002	Celtics	42	20	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t
t003	Rovers	8	-	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t

Part 3

- SELECT * From customers

Cross Join sales - representatives;

100	1000000		111:111		HI BES	400	70	4.6.6	D 600	1
CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER	ID	EMAIL
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-	sr01	chray@obl.
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015	sr01	chray@obl.
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-	sr01	chray@obl.
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341	sr01	chray@obl.
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-	sr01	chray@obl.
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-	sr02	vwright@ob
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	9	-	-	lc1015	sr02	vwright@ob
-00101	unknown Chang com	John	Doc	02716547000	007 E	cn01	+002	<u>.</u>	cnar	www.iahtech