

Lab 4

Part 1

1) 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_2	CITY	ZIP_CODE
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, city, email, phone-number

FROM sales-representatives NATURAL JOIN sales-rep-addresses;

ID	FIRST_NAME	LAST_NAME	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	EMAIL	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

3) SELECT id, first-name, last-name, address-line_1, address-line_2, city, email, phone-number

FROM sales-representatives JOIN sales-rep-addresses

USING (id);

ID	FIRST_NAME	LAST_NAME	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	EMAIL	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

4) SELECT *

FROM items JOIN price_history
USING (itm_number);

ITEM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID	START_DATE	START_TIME	PRICE	END_DATE	END_TIME
1 im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124	17-JUN-17	17-JUN-16	4.99	(null)	(null)
2 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
3 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
4 im01101045	under shirt top	worn under the game top	clothing	white	s	i1010230125	26-JAN-17	26-JAN-17	15.99	(null)	(null)
5 im01101046	socks	team socks with emblem	clothing	range	l	i1010230126	12-FEB-17	12-FEB-17	7.99	(null)	(null)
6 im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127	25-APR-17	25-APR-17	24.99	(null)	(null)
7 im01101048	premium bat	high quality baseball bat	equipment	(null)	(null)	i1010230128	31-MAY-17	31-MAY-17	149.09	09-NOV-23	09-NOV-23
8 im01101048	premium bat	high quality baseball bat	equipment	(null)	(null)	i1010230128	09-NOV-23	09-NOV-23	99.99	09-NOV-23	09-NOV-23

5) SELECT c.ctr_number AS "Customer Number", c.first_name AS "Customer First Name",
c.last_name AS "Customer Last Name", c.phone_number AS "Customer Phone Number",
c.email AS "Customer Email", s.id AS "Salesman ID", s.first_name AS "Salesman First Name",
s.last_name AS "Salesman Last Name", s.email AS "Salesman 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	Salesman ID	Salesman First Name	Salesman Last Name	Salesman Email
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	margal07@delphiview.com	sr03	Barry	Speed	bspeed@obl.com

6) SELECT c.ctr_number AS "Customer Number", c.first_name AS "Customer First Name",
 c.last_name AS "Customer Last Name", c.phone_number AS "Customer Phone Number",
 c.email AS "Customer Email", s.id AS "Salesman ID", s.first_name AS "Salesman First Name",
 s.last_name AS "Salesman Last Name", s.email AS "Salesman Email", t.name AS "Team Name"
 FROM customers c JOIN
 sales-representatives s
 ON (c.sre_id = s.id)
 JOIN teams t
 ON (c.tem_id = t.id);

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

7) SELECT c.ctr_number AS "Customer Number", c.first_name AS "Customer First Name",
 c.last_name AS "Customer Last Name", c.phone_number AS "Customer Phone Number",
 c.email AS "Customer Email", s.id AS "Salesman ID", s.first_name AS "Salesman First Name",
 s.last_name AS "Salesman Last Name", s.email AS "Salesman Email", t.name AS "Team Name"
 FROM customers c JOIN
 sales-representatives s
 ON (c.sre_id = s.id)
 JOIN teams t
 ON (c.tem_id = t.id)
 WHERE c.ctr_number = 'c00001';

Customer number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Salesman ID	Salesman First Name	Salesman Last Name	Salesman Email	Team Name
c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01	Charles	Raymond	chray@obl.com	Rockets

8) SELECT 'The cost of the || "i.name" || on this day was' || p.price AS
"Price Details"
FROM items i JOIN price-history p
ON i.item-number = p.item-number
WHERE i.item-number = 'im0101045'
AND
TO_DATE ('10-DEC-2016', 'DD-MON-YY')
BETWEEN p.start-date AND p.end-date;

Price Details

1 The cost of the under shirt on this day was 14.99

Part 2.

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1) SELECT rep.first-name || ' ' || rep.last-name AS "Rep" , sup.first-name || ' ' ||  
sup.last-name AS "Supervisor"  
FROM sales-representatives rep JOIN sales-representatives sup  
ON (rep.supervisor-id = sup.id);
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Rep	Supervisor
1 Charles Raymond	Charles Raymond
2 Victoria Wright	Charles Raymond
3 Barry Speed	Charles Raymond

2) SELECT *

FROM teams LEFT OUTER JOIN
customers
ON (id = tem_id)

3) SELECT *

FROM customers

CROSS JOIN sales_representatives ;

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER	ID	EMAIL_1	FIRST_NAME_1	LAST_NAME_1	PHONE_NUMBER_1	COMMISSION_RATE	SUPERVISOR_ID
c00001	bob.thornberry@hotmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c00012	Jjones@freenmail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1013	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c01986	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c02001	Margal87@delphiview.com	Maria	Galant	01442734589	123.45	sr03	t003	(null)	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c02001	brianrog@bootech.com	Brian	ROGERS	01654564898	50	(null)	(null)	1c4587	sr01	chray@obl.com	Charles	Raymond	0134598761	10	sr01
c00001	bob.thornberry@hotmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c00012	Jjones@freenmail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1013	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c01986	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c02001	Margal87@delphiview.com	Maria	Galant	01442734589	123.45	sr03	t003	(null)	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c02001	brianrog@bootech.com	Brian	ROGERS	01654564898	50	(null)	(null)	1c4587	sr02	vright@obl.com	Victoria	Wright	0134598762	5	sr01
c00001	bob.thornberry@hotmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01
c00012	Jjones@freenmail.com	Jennifer	Jones	01505214598	0	(null)	(null)	1c1013	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01
c01986	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	1c2341	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01
c02001	Margal87@delphiview.com	Maria	Galant	01442734589	123.45	sr03	t003	(null)	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01
c02001	brianrog@bootech.com	Brian	ROGERS	01654564898	50	(null)	(null)	1c4587	sr03	bspeed@obl.com	Barry	Speed	0134598763	5	sr01