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1323(5005)
LAB 4 DB
Section 6 Lesson 9 Exercise 1
Part 1

1. SELECT * FROM sales_representatives NATURAL JOIN sales_rep_addresses;

ID	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	COMMISSION_RATE	SUPERVISER_ID
Sr01	chray@obl.com	charles	Raymond	0134598761	10	Sr01
Sr02	vwright@obl.com	Victoria	Wright	0134598762	5	Sr01
Sr03	bspeed@obl.com	Barry	Speed	0134598763	5	Sr01

ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE
12 cherry Lane	Denton	Detroit	DT48211
87 Blossom Hill	Uptown	Detroit	DT52314
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
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

1. SELECT * FROM sales_representative JOIN sales_rep_addresses USING (id);

SELECT id, first_name, last_name, address_line1, 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
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

2. SELECT * FROM items JOIN price_history USING (itm-number);

ITM NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	SIZE	ILT_ID	START_DATE	START_TIME
im01101044	gloves	catcher mitt	clothing	brown	M	il010230124	17-JUN-12	17-JUN-16
im01101045	under shirt	top worn under the game top	clothing	white	S	il010230125	25-NOV-16	25-NOV-16
im01101045	under shirt	top worn under the game top	clothing	white	S	il010230125	25-JAN-17	25-JAN-17
im01101045	under shirt	top worn under the game top	clothing	white	S	il010230125	26-JAN-17	26-JAN-17
im01101046	socks	team socks with emblem	clothing	range	I	il010270126	12-FEB-17	12-FEB-17
im01101047	game top	team shirt with emblem	clothing	range	M	il010270127	25-APR-17	25-APR-17
im01101048	premium bat	high quality baseball bat	equipment	–	–	il010270128	31-MAY-17	31-MAY-17

PRICE	END_DATE	END_TIME
4.99	–	–
14.99	25-JAN-17	25-JAN-17
8.99	25-JAN-17	25-JAN-17
15.99	–	–
7.99	–	–
24.99	–	–
149	–	–

Part 3

1. 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", sr.id "Sales Rep ID", s.first_name "Sales Rep First Name", s.last_name FROM customers c JOIN sales_representatives s ON (c.sr-id = s.id);

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sales Rep ID	Sales Rep First Name	Sales Rep Last Name
c00001	Robert	Thornberry	01234567899	bob.thornberry@heatmail.com	sr01	charles	Raymond
c00101	John	Doe	03216547808	unknown@here.com	sr01	charles	Raymond
c01986	Maria	Galant	01442736¼	margal87@delphview.com	s103	Barry	speed

Sales Rep Email
chray@obl.com
chray@obl.com
bspeed@obl.com

Part 4

1.
```sql
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 "Sales Rep ID", s.first_name
"Sales Rep First Name", s.last_name "Sales Rep Last Name", s.email "Sales Rep Email", t.name "Team Name"
FROM customers c JOIN sales_representatives s ON (c.src_id = s.id) JOIN teams t ON (t.id = t.id);
```

Part 5

1.
```sql
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 "Sales Rep ID", s.first_name
"Sales Rep First Name", s.last_name "Sales Rep Last Name", s.email "Sales Rep Email", t.name "Team Name"
FROM customers c JOIN sales_representatives s ON (c.src_id = s.id) JOIN teams t ON (t.id = t.id)
WHERE c.ctr_number >= 'C00001';
```

Part 6

1.
```sql
SELECT 'The cost of the ' || i.name || ' on this day was ' || h.price FROM items i JOIN inventory_list l ON (i.itm_id = l.id)
JOIN price_history h ON (i.itm_number = h.itm_number) WHERE i.itm_number = 'imollo1ous' AND
h_start_date < '12-DEC-2016' AND h.end_date > '12-Dec-2016';
```

Section 1 Lesson 9 Exercise 2

Part 1

1.
```sql
SELECT r.first_name || ' ' || r.last_name "Representatives", s.first_name || ' ' || s.last_name "Supervisor"
FROM sales_representatives r JOIN sales_representatives s ON (r.supervisor_id = s.id);
```

Part 2

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

Part 3

1.
```sql
SELECT * FROM customers c, sales_representatives r;
```