

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

PART 2

1. 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

2. SELECT * FROM items

JOIN price_history

USING(ITEM_NUMBER);

ITEM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID	START_DATE	START_TIME	PRICE	END_DATE	END_T
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	11010230125	25/11/2016	25/11/2016	14.99	25/01/2017	25/01/2
3 im01101045	under shirt top	worn under the game top	clothing	white	s	11010230125	25/01/2017	25/01/2017	8.99	25/01/2017	25/01/2
4 im01101045	under shirt top	worn under the game top	clothing	white	s	11010230125	26/01/2017	26/01/2017	15.99	(null)	(null)
5 im01101046	socks	team socks with emblem	clothing	range	l	11010230126	12/02/2017	12/02/2017	7.99	(null)	(null)
6 im01101047	game top	team shirt with emblem	clothing	range	m	11010230127	25/04/2017	25/04/2017	24.99	(null)	(null)
7 im01101048	premium bat	high quality baseball bat	equipment	(null)	(null)	11010230128	31/05/2017	31/05/2017	149.16	12/2023	16/12/2
8 im01101048	premium bat	high quality baseball bat	equipment	(null)	(null)	11010230128	16/12/2023	16/12/2023	99.99	(null)	(null)

PART 3

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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",  
r.ID "Sales representative ID", r.FIRST-NAME "Sales representative first name",  
r.LAST-NAME "Sales representative last name", r.EMAIL "Sales representative email"  
FROM customer c  
JOIN sales-representative r  
ON (c.sre_id = r.id);
```

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sales representative id
1 c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01
2 c00101	John	Doe	03216547808	unknown@here.com	sr01
3 c01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03

Sales representative first name	Sales representative last name	Sales representative email
Charles	Raymond	chray@obl.com
Charles	Raymond	chray@obl.com
Barry	Speed	bspeed@obl.com

PART 4

```
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",  
r.ID "Sales representative ID", r.FIRST-NAME "Sales representative first name",  
r.LAST-NAME "Sales representative last name", r.EMAIL "Sales representative email", t.NAME "Team Name"  
FROM customer c  
JOIN sales-representative r  
ON (c.sre_id = r.id);  
JOIN teams t  
ON (c.team_id = t.id);
```

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sales representative id
1 c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01
2 c00101	John	Doe	03216547808	unknown@here.com	sr01
3 c01986	Maria	Galant	01442736589	margal87@delphiview.com	sr03

Sales representative first name	Sales representative last name	Sales representative email	Team Name
Charles	Raymond	chray@obl.com	Rockets
Charles	Raymond	chray@obl.com	Celtics
Barry	Speed	bspeed@obl.com	Rovers

PART 5

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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",
       R.ID "Sales representative ID", R.FIRST-NAME "Sales representative first name",
       R.LAST-NAME "Sales representative last name", R.EMAIL "Sales representative email", L.NAME "Team Name"
  FROM customers c
 JOIN sales-representatives r
    ON (c.sre_id = r.id);
 JOIN teams l
    ON (c.team_id = l.id);
 WHERE c.ctr_number = 'C 00001';

```

Customer Number	Customer First Name	Customer Last Name	Customer Phone Number	Customer Email	Sales representative id
1 c00001	Robert	Thornberry	01234567898	bob.thornberry@heatmail.com	sr01

Sales representative first name	Sales representative last name	Sales representative email	Team Name
Charles	Raymond	chray@obl.com	Rockets

PART 6

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SELECT 'The cost of the' || I.NAME || 'on this day was' || P.PRICE "Items and Cost Information"
  FROM ITEMS I JOIN PRICE-HISTORY P
    ON I.ITE-NUMBER = P.ITE-NUMBER
   JOIN inventory-list L
    ON I.ILT-ID = L.ID
   WHERE I.ITE-NUMBER = 'im01101045'
   AND TO DATE ('2016-12-12', 'YYYY-MM-DD') BETWEEN
        P.START-DATE AND P.END-DATE;

```

Items and Cost information

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