

```

/*
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CNIT 272 Fall 2023
Lab Time: Friday 7:30 AM - 9:20 AM
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*****
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--Question 1
/*
Use the FOOD_SUPPLIER and FOOD tables from the LunchesDB for the
following questions.
A) List the supplier ID, supplier name, description, price upcharge, and
price for all food supplied.
    ☐ Use an INNER JOIN
    ☐ Order by the supplier name
    ☐ 35 rows selected.
B) List the supplier ID, supplier name, description, price upcharge, and
price for all food supplied
    from suppliers with their food items including cheese. Include
records of the suppliers
    providing stocks with 'Cheese' to the organization (the price
upcharge will be null in the result set).
    ☐ Use a LEFT JOIN
    ☐ 5 rows selected.
C) List the supplier ID, supplier name, description, price upcharge, and
price for only suppliers
    who have provided items with 'Cheese' that have charged increased
rates to the organization.
    ☐ Use a LEFT JOIN and include a WHERE clause to find non-null values of
upcharges from the FOOD table
    ☐ 1 row selected.
*/

--Question 1-A
SELECT f.supplier_id, supplier_name, description, price_upcharge, price
FROM food_supplier fs INNER JOIN food f
ON fs.supplier_id = f.supplier_id
ORDER BY supplier_name;

--Question 1-B
SELECT f.supplier_id, supplier_name, description, price_upcharge, price
FROM food_supplier fs LEFT JOIN food f
ON fs.supplier_id = f.supplier_id
WHERE description LIKE '%Cheese%';
ORDER BY supplier_name;

--Question 1-C
SELECT f.supplier_id, supplier_name, description, price_upcharge, price
FROM food_supplier fs LEFT JOIN food f
ON fs.supplier_id = f.supplier_id
WHERE description LIKE '%Cheese%' AND price_upcharge IS NOT NULL;

```

/\*

Results:

[Question 1-A]

| SUP SUPPLIER_NAME | DESCRIPTION | PRICE_UPCHARGE |
|-------------------|-------------|----------------|
|-------------------|-------------|----------------|

PRICE

|                      |                      |       |
|----------------------|----------------------|-------|
| -----                | -----                | ----- |
| -----                |                      |       |
| Ard Arnoldo Deli     | PB Cookie            |       |
| 1.25                 |                      |       |
| Ard Arnoldo Deli     | Chicken Avocado Wrap |       |
| 5.25                 |                      |       |
| Ard Arnoldo Deli     | Veggie Pizza         |       |
| 6.25                 |                      |       |
| Blu Blue Sky Deli    | Turkey Club          | .5    |
| 7.5                  |                      |       |
| Blu Blue Sky Deli    | Chips                |       |
| 2.8                  |                      |       |
| Crm Crystal Market   | Ham Melt             | .3    |
| 7.2                  |                      |       |
| Crm Crystal Market   | Grilled Cheese       | .4    |
| 5.25                 |                      |       |
| Crm Crystal Market   | Philly Melt          | .7    |
| 8.6                  |                      |       |
| Crm Crystal Market   | Wheat Bagel          | .25   |
| 4                    |                      |       |
| Dpz Downtowner Pizza | Dinner Roll          | .25   |
| 1                    |                      |       |
| Dpz Downtowner Pizza | Cheese Pizza         |       |
| 8.5                  |                      |       |

| SUP SUPPLIER_NAME | DESCRIPTION | PRICE_UPCHARGE |
|-------------------|-------------|----------------|
|-------------------|-------------|----------------|

PRICE

|                         |                |       |
|-------------------------|----------------|-------|
| -----                   | -----          | ----- |
| -----                   |                |       |
| Dpz Downtowner Pizza    | Cheese         |       |
| Sauce                   | .75            |       |
| Foi Fontinas Italian    | Apple Pie      |       |
| 4.5                     |                |       |
| Foi Fontinas Italian    | Barley Soup    | .2    |
| 4.75                    |                |       |
| Foi Fontinas Italian    | French Fries   |       |
| 1.5                     |                |       |
| Foi Fontinas Italian    | Broccoli Salad | .05   |
| 4                       |                |       |
| Gls Great Lakes Station | Breadstick     |       |
| 1.25                    |                |       |
| Gls Great Lakes Station | Mango Smoothie |       |
| 4.95                    |                |       |
| Gls Great Lakes Station | Sugar Cookie   | .5    |
| 3.5                     |                |       |
| Hsd Harper Street Deli  | Yellow Cake    | .5    |
| 4.5                     |                |       |

|                        |              |     |
|------------------------|--------------|-----|
| Hsd Harper Street Deli | Chicken Soup |     |
| 4.25                   |              |     |
| Hsd Harper Street Deli | Chef Salad   | .25 |
| 5.75                   |              |     |

| SUP SUPPLIER_NAME<br>PRICE | DESCRIPTION    | PRICE_UPCHARGE |
|----------------------------|----------------|----------------|
| -----                      | -----          | -----          |
| -----                      |                |                |
| Hsd Harper Street Deli     | Protein Box    | .5             |
| 9                          |                |                |
| Jmd Jebston Montrose Deli  | Potato Soup    |                |
| 6.25                       |                |                |
| Jmd Jebston Montrose Deli  | Mushroom Pizza | .15            |
| 8                          |                |                |
| Jmd Jebston Montrose Deli  | Cole Slaw      | .5             |
| 1.5                        |                |                |
| Jmd Jebston Montrose Deli  | Iced Tea       | .15            |
| 2.85                       |                |                |
| Jd6 Justin's Deli at 652   | Brownie        | .25            |
| 3.45                       |                |                |
| Jd6 Justin's Deli at 652   | Soda           | .25            |
| 2.25                       |                |                |
| Jd6 Justin's Deli at 652   | Coffee         | .15            |
| 1.55                       |                |                |
| Lak Lakeshore Bakery       | Caprese        | .5             |
| 5.5                        |                |                |
| Lak Lakeshore Bakery       | Cheese Stick   |                |
| 2.35                       |                |                |
| Lak Lakeshore Bakery       | Spinach Salad  |                |
| 6.25                       |                |                |

| SUP SUPPLIER_NAME<br>PRICE | DESCRIPTION    | PRICE_UPCHARGE |
|----------------------------|----------------|----------------|
| -----                      | -----          | -----          |
| -----                      |                |                |
| Lss Lucias Sub Shop        | Veggie Soup    |                |
| 4.85                       |                |                |
| Lss Lucias Sub Shop        | Grilled Cheese |                |
| 5.95                       |                |                |

35 rows selected.

[Question 1-B]

| SUP SUPPLIER_NAME<br>PRICE | DESCRIPTION    | PRICE_UPCHARGE |
|----------------------------|----------------|----------------|
| -----                      | -----          | -----          |
| -----                      |                |                |
| Crm Crystal Market         | Grilled Cheese | .4             |
| 5.25                       |                |                |
| Dpz Downtowner Pizza       | Cheese Pizza   |                |
| 8.5                        |                |                |
| Dpz Downtowner Pizza       | Cheese         |                |
| Sauce                      | .75            |                |

|                      |                |
|----------------------|----------------|
| Lak Lakeshore Bakery | Cheese Stick   |
| 2.35                 |                |
| Lss Lucias Sub Shop  | Grilled Cheese |
| 5.95                 |                |

[Question 1-C]

| SUP SUPPLIER_NAME | DESCRIPTION | PRICE_UPCHARGE |
|-------------------|-------------|----------------|
|-------------------|-------------|----------------|

|                    |                |       |
|--------------------|----------------|-------|
| -----              | -----          | ----- |
| -----              |                |       |
| Crm Crystal Market | Grilled Cheese | .4    |
| 5.25               |                |       |
| */                 |                |       |

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--Question 2

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List the supplier ID, food description, and total quantity (Hint: Use SUM) for each supplied food item.

If the food item has never been purchased, still list the supplier ID and description.

Group by supplier ID and description. Sort by Description.

A) Use LEFT JOIN

☐ The relationship includes a composite primary key connection in the FROM clause.

☐ 35 rows selected

B) Change the LEFT JOIN to an INNER JOIN and rerun it. Explain the difference and

what is missing in the result set. What causes the difference?

☐ 31 rows selected

\*/

--Question 2-A

```
SELECT li.supplier_id, description, SUM(quantity) AS TotalQuantity
FROM food f LEFT JOIN lunch_item li
ON f.supplier_id = li.supplier_id AND f.product_code = li.product_code
GROUP BY li.supplier_id, description;
ORDER BY description;
```

--Question 2-B

```
SELECT li.supplier_id, description, SUM(quantity) AS TotalQuantity
FROM food f INNER JOIN lunch_item li
ON f.supplier_id = li.supplier_id AND f.product_code = li.product_code
GROUP BY li.supplier_id, description
ORDER BY description;
```

/\*

Results:

[Question 2-A]

| SUP DESCRIPTION | TOTALQUANTITY |
|-----------------|---------------|
|-----------------|---------------|

|                 |       |
|-----------------|-------|
| -----           | ----- |
| Foi Apple Pie   | 3     |
| Foi Barley Soup | 4     |

|                      |    |
|----------------------|----|
| Gls Breadstick       | 1  |
| Foi Broccoli Salad   | 1  |
| Jd6 Brownie          | 10 |
| Lak Caprese          | 2  |
| Dpz Cheese Pizza     | 4  |
| Dpz Cheese Sauce     | 2  |
| Lak Cheese Stick     | 5  |
| Hsd Chef Salad       | 14 |
| Chicken Avocado Wrap |    |

| SUP DESCRIPTION    | TOTALQUANTITY |
|--------------------|---------------|
| Hsd Chicken Soup   | 13            |
| Blu Chips          | 2             |
| Jd6 Coffee         | 6             |
| Cole Slaw          |               |
| Dpz Dinner Roll    | 8             |
| Foi French Fries   | 11            |
| Crm Grilled Cheese | 7             |
| Lss Grilled Cheese | 4             |
| Crm Ham Melt       | 10            |
| Jmd Iced Tea       | 10            |
| Mango Smoothie     |               |

| SUP DESCRIPTION    | TOTALQUANTITY |
|--------------------|---------------|
| Jmd Mushroom Pizza | 3             |
| PB Cookie          |               |
| Crm Philly Melt    | 12            |
| Jmd Potato Soup    | 1             |
| Hsd Protein Box    | 2             |
| Jd6 Soda           | 25            |
| Lak Spinach Salad  | 2             |
| Gls Sugar Cookie   | 9             |
| Blu Turkey Club    | 1             |
| Ard Veggie Pizza   | 4             |
| Lss Veggie Soup    | 2             |

| SUP DESCRIPTION | TOTALQUANTITY |
|-----------------|---------------|
| Crm Wheat Bagel | 1             |
| Hsd Yellow Cake | 6             |

35 rows selected.

[Question 2-B]

| SUP DESCRIPTION    | TOTALQUANTITY |
|--------------------|---------------|
| Foi Apple Pie      | 3             |
| Foi Barley Soup    | 4             |
| Gls Breadstick     | 1             |
| Foi Broccoli Salad | 1             |
| Jd6 Brownie        | 10            |
| Lak Caprese        | 2             |

|                  |    |
|------------------|----|
| Dpz Cheese Pizza | 4  |
| Dpz Cheese Sauce | 2  |
| Lak Cheese Stick | 5  |
| Hsd Chef Salad   | 14 |
| Hsd Chicken Soup | 13 |

| SUP DESCRIPTION    | TOTALQUANTITY |
|--------------------|---------------|
| Blu Chips          | 2             |
| Jd6 Coffee         | 6             |
| Dpz Dinner Roll    | 8             |
| Foi French Fries   | 11            |
| Crm Grilled Cheese | 7             |
| Lss Grilled Cheese | 4             |
| Crm Ham Melt       | 10            |
| Jmd Iced Tea       | 10            |
| Jmd Mushroom Pizza | 3             |
| Crm Philly Melt    | 12            |
| Jmd Potato Soup    | 1             |

| SUP DESCRIPTION   | TOTALQUANTITY |
|-------------------|---------------|
| Hsd Protein Box   | 2             |
| Jd6 Soda          | 25            |
| Lak Spinach Salad | 2             |
| Gls Sugar Cookie  | 9             |
| Blu Turkey Club   | 1             |
| Ard Veggie Pizza  | 4             |
| Lss Veggie Soup   | 2             |
| Crm Wheat Bagel   | 1             |
| Hsd Yellow Cake   | 6             |

31 rows selected.

Explanation: LEFT JOIN returned all the records from the FOOD table and also returned any matching records from the LUNCH\_ITEM table. INNER JOIN returned all the records that have matching values in both the FOOD and LUNCH\_ITEM table.

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--Question 3

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Use the DEPARTMENT and WORKER tables for the following questions.

A) List the worker id, city, department code, and department name for all workers in the database.

- ☐ Set the linespace to 200 for readability.
- ☐ Use an INNER JOIN
- ☐ Order by the department code
- ☐ 26 rows selected.

B) List the worker id, city, department code, and department name for all workers in the database.

Include all workers, even if they have not been assigned to a department yet.

- ☐ Use a RIGHT JOIN
- ☐ Order by the worker id
- ☐ 34 rows selected.

C) List the worker id, city, department code, and department name for all workers in the database.

Also include all departments, even if they have no employees.

- ☐ Use a RIGHT JOIN
- ☐ Order by the department code
- ☐ 31 rows selected

D) Create a nested query to display all departments without assigned workers. Include

the department code and the department name in the result set.

- ☐ In the nested query, add a WHERE clause to find the department codes that are not NULL
- ☐ Remember that you need to use NOT IN in the WHERE clause when comparing to the nested query
- ☐ 5 rows selected.

\*/

--Question 3-A

set linespace 200

```
SELECT worker_id, city, w.dept_code, department_name
FROM department d INNER JOIN worker w
ON d.dept_code = w.dept_code
ORDER BY dept_code;
```

--Question 3-B

```
SELECT worker_id, city, w.dept_code, department_name
FROM department d RIGHT JOIN worker w
ON d.dept_code = w.dept_code
ORDER BY worker_id;
```

--Question 3-C

```
SELECT w.worker_id, city, w.dept_code, department_name
FROM worker w RIGHT JOIN department d
ON w.dept_code = d.dept_code
ORDER BY dept_code;
```

--Question 3-D

```
SELECT dept_code, department_name
FROM department
WHERE dept_code NOT IN (SELECT dept_code FROM worker WHERE dept_code IS
NOT NULL);
```

/\*

Results:

[Question 3-A]

| WOR CITY      | DEP DEPARTMENT_NAME |
|---------------|---------------------|
| 580           | Acc Accounting      |
| 582 Hinsdale  | Acc Accounting      |
| 563 Oak Brook | Acc Accounting      |

|               |                     |
|---------------|---------------------|
| 570 Aurora    | Aud Auditing        |
| 573           | Aud Auditing        |
| 560 Chicago   | Aud Auditing        |
| 562 Glencoe   | Com Compliance      |
| 555 Aurora    | Exe Executive       |
| 575 Glencoe   | Fin Finance         |
| 569 Evanston  | Fin Finance         |
| 558 Oak Brook | Hmn Human Resources |

| WOR CITY | DEP DEPARTMENT_NAME |
|----------|---------------------|
|----------|---------------------|

|               |                     |
|---------------|---------------------|
| 566 Oak Brook | Hmn Human Resources |
| 571 Chicago   | Hmn Human Resources |
| 567 Oak Brook | Leg Legal           |
| 557 Wilmette  | Leg Legal           |
| 587 Oak Brook | Leg Legal           |
| 577 Wilmette  | Sal Sales           |
| 564 Chicago   | Sal Sales           |
| 559 Hinsdale  | Srv Service         |
| 585 Evanston  | Srv Service         |
| 581 Oak Brook | Srv Service         |
| 556 Hinsdale  | Tch Technology      |

| WOR CITY | DEP DEPARTMENT_NAME |
|----------|---------------------|
|----------|---------------------|

|              |                |
|--------------|----------------|
| 565          | Tch Technology |
| 584 Chicago  | Tch Technology |
| 576 Hinsdale | Tch Technology |
| 578 Evanston | Tch Technology |

26 rows selected.

[Question 3-B]

| WOR CITY | DEP DEPARTMENT_NAME |
|----------|---------------------|
|----------|---------------------|

|               |                     |
|---------------|---------------------|
| 555 Aurora    | Exe Executive       |
| 556 Hinsdale  | Tch Technology      |
| 557 Wilmette  | Leg Legal           |
| 558 Oak Brook | Hmn Human Resources |
| 559 Hinsdale  | Srv Service         |
| 560 Chicago   | Aud Auditing        |
| 561 Wilmette  |                     |
| 562 Glencoe   | Com Compliance      |
| 563 Oak Brook | Acc Accounting      |
| 564 Chicago   | Sal Sales           |
| 565           | Tch Technology      |

| WOR CITY | DEP DEPARTMENT_NAME |
|----------|---------------------|
|----------|---------------------|

|               |                     |
|---------------|---------------------|
| 566 Oak Brook | Hmn Human Resources |
| 567 Oak Brook | Leg Legal           |
| 568 Wilmette  |                     |
| 569 Evanston  | Fin Finance         |
| 570 Aurora    | Aud Auditing        |



|              |                     |
|--------------|---------------------|
| 571 Chicago  | Hmn Human Resources |
| 572 Hinsdale |                     |
| 573          | Aud Auditing        |
| 574          |                     |
| 575 Glencoe  | Fin Finance         |
| 576 Hinsdale | Tch Technology      |

| WOR CITY      | DEP DEPARTMENT_NAME |
|---------------|---------------------|
| 577 Wilmette  | Sal Sales           |
| 578 Evanston  | Tch Technology      |
| 579           |                     |
| 580           | Acc Accounting      |
| 581 Oak Brook | Srv Service         |
| 582 Hinsdale  | Acc Accounting      |
| 583 Aurora    |                     |
| 584 Chicago   | Tch Technology      |
| 585 Evanston  | Srv Service         |
| 586 Glencoe   |                     |
| 587 Oak Brook | Leg Legal           |

|               |                |
|---------------|----------------|
| 577 Wilmette  | Sal Sales      |
| 578 Evanston  | Tch Technology |
| 579           |                |
| 580           | Acc Accounting |
| 581 Oak Brook | Srv Service    |
| 582 Hinsdale  | Acc Accounting |
| 583 Aurora    |                |
| 584 Chicago   | Tch Technology |
| 585 Evanston  | Srv Service    |
| 586 Glencoe   |                |
| 587 Oak Brook | Leg Legal      |

| WOR CITY    | DEP DEPARTMENT_NAME |
|-------------|---------------------|
| 588 Chicago |                     |

588 Chicago

34 rows selected.

[Question 3-C]

| WOR CITY      | DEP DEPARTMENT_NAME |
|---------------|---------------------|
| 580           | Acc Accounting      |
| 582 Hinsdale  | Acc Accounting      |
| 563 Oak Brook | Acc Accounting      |
| 570 Aurora    | Aud Auditing        |
| 573           | Aud Auditing        |
| 560 Chicago   | Aud Auditing        |
| 562 Glencoe   | Com Compliance      |
| 555 Aurora    | Exe Executive       |
| 575 Glencoe   | Fin Finance         |
| 569 Evanston  | Fin Finance         |
| 571 Chicago   | Hmn Human Resources |

|               |                     |
|---------------|---------------------|
| 580           | Acc Accounting      |
| 582 Hinsdale  | Acc Accounting      |
| 563 Oak Brook | Acc Accounting      |
| 570 Aurora    | Aud Auditing        |
| 573           | Aud Auditing        |
| 560 Chicago   | Aud Auditing        |
| 562 Glencoe   | Com Compliance      |
| 555 Aurora    | Exe Executive       |
| 575 Glencoe   | Fin Finance         |
| 569 Evanston  | Fin Finance         |
| 571 Chicago   | Hmn Human Resources |

| WOR CITY      | DEP DEPARTMENT_NAME |
|---------------|---------------------|
| 566 Oak Brook | Hmn Human Resources |
| 558 Oak Brook | Hmn Human Resources |
| 567 Oak Brook | Leg Legal           |
| 587 Oak Brook | Leg Legal           |
| 557 Wilmette  | Leg Legal           |
| 564 Chicago   | Sal Sales           |
| 577 Wilmette  | Sal Sales           |
| 581 Oak Brook | Srv Service         |
| 585 Evanston  | Srv Service         |

|               |                     |
|---------------|---------------------|
| 566 Oak Brook | Hmn Human Resources |
| 558 Oak Brook | Hmn Human Resources |
| 567 Oak Brook | Leg Legal           |
| 587 Oak Brook | Leg Legal           |
| 557 Wilmette  | Leg Legal           |
| 564 Chicago   | Sal Sales           |
| 577 Wilmette  | Sal Sales           |
| 581 Oak Brook | Srv Service         |
| 585 Evanston  | Srv Service         |

|              |                |
|--------------|----------------|
| 559 Hinsdale | Srv Service    |
| 584 Chicago  | Tch Technology |

| WOR CITY     | DEP DEPARTMENT_NAME |
|--------------|---------------------|
| 576 Hinsdale | Tch Technology      |
| 578 Evanston | Tch Technology      |
| 565          | Tch Technology      |
| 556 Hinsdale | Tch Technology      |
|              | Engineering         |
|              | Facilities          |
|              | Marketing           |
|              | Purchasing          |
|              | Shipping            |

31 rows selected.

```
[Question 3-D]
DEP DEPARTMENT_NAME
---
Eng Engineering
Fac Facilities
Mkt Marketing
Pur Purchasing
Shp Shipping
```

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```
--Question 4
/*
```

Use a UNION operation to list the names of the supplier cities and the food suppliers,

as well as the concatenated first and last names of the workers and cities into one SQL statement

☐ It is the UNION of two queries, one is to list supplier name and supplier city from FOOD\_SUPPLIER table,

and the other is to list the worker name(concatenated) and city from WORKER table.

☐ The result set should only have two columns (a column for all of the names and a column for all of the cities).

☐ Review concatenation (||) if needed. There is a space between worker first name and last name.

☐ Limit the results to only food suppliers and workers NOT from the cities of Skokie, Oak Brook, and Chicago.

☐ Sort by the name (sort by supplier name if you used the food supplier table in the first query,

otherwise, sort by the worker name)

☐ 26 rows selected (8 from FOOD\_SUPPLIER, 18 from WORKER)

\*/

```
SELECT supplier_name, supplier_city
```

```

FROM food_supplier
WHERE supplier_city NOT IN ('Skokie', 'Oak Brook', 'Chicago')
UNION
SELECT first_name || ' ' || last_name, city
FROM worker
WHERE city NOT IN ('Skokie', 'Oak Brook', 'Chicago')
ORDER BY supplier_name;

```

/\*

Results:

| SUPPLIER_NAME          | SUPPLIER_CITY |
|------------------------|---------------|
| Angie Templeton        | Hinsdale      |
| Arnoldo Deli           | Glencoe       |
| Avery Trance           | Aurora        |
| Blair Reynolds         | Evanston      |
| Carey Martin           | Wilmette      |
| Carole Sumner          | Hinsdale      |
| Chase Johnson          | Hinsdale      |
| Crystal Market         | Hinsdale      |
| Dane Shreve            | Aurora        |
| Framer and Samson      | Orland Park   |
| Fresh Daily Vegetables | Aurora        |

| SUPPLIER_NAME       | SUPPLIER_CITY |
|---------------------|---------------|
| Great Lakes Station | Wilmette      |
| Harold Bakery       | Hinsdale      |
| Jodie Williams      | Glencoe       |
| Jose Sanchez        | Glencoe       |
| Katelynn Rayner     | Evanston      |
| Keyanna Jones       | Hinsdale      |
| Lucias Sub Shop     | Aurora        |
| Maria Bensen        | Wilmette      |
| Rita Gradle         | Wilmette      |
| Rosemont Bakery     | Glencoe       |
| Sam Frank           | Evanston      |

| SUPPLIER_NAME | SUPPLIER_CITY |
|---------------|---------------|
| Shawn Smith   | Glencoe       |
| Taylor Young  | Wilmette      |
| Tom Neal      | Hinsdale      |
| Tonya Montre  | Aurora        |

26 rows selected.

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--Question 5

/\*

Use the INTERSECT operation to find any food suppliers that are living in the same

city as any of the workers. 6 rows selected.

\*/

```
SELECT supplier_city
FROM food_supplier
INTERSECT
SELECT city
FROM worker;
```

/\*

Results:

SUPPLIER\_CITY

-----

Aurora

Chicago

Glencoe

Hinsdale

Oak Brook

Wilmette

6 rows selected.

\*/

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--Question 6

/\*

Use the MINUS operation to list the cities of the workers where no food suppliers live

(i.e. city where there are workers living, but not suppliers).

A) Start by running a query that lists the Distinct worker cities.

□ 8 rows selected. (Hint: using distinct will only list each city once)

B) Then run a query that lists the Distinct food supplier cities.

□ 7 rows selected.

C) Using the MINUS operation, combine the two queries from 6A and 6B, starting

with the suppliers' cities first.

□ 1 row selected

\*/

--Question 6-A

```
SELECT DISTINCT city
FROM worker;
```

--Question 6-B

```
SELECT DISTINCT supplier_city
FROM food_supplier;
```

--Question 6-C

```
SELECT DISTINCT supplier_city
FROM food_supplier
MINUS
SELECT DISTINCT city
FROM worker;
```

```
/*
Results:
[Question 6-A]
CITY
-----
```

```
Aurora
Oak Brook
Chicago
```

```
Wilmette
Evanston
Hinsdale
Glencoe
```

8 rows selected.

```
[Question 6-B]
SUPPLIER_CITY
-----
```

```
Oak Brook
Aurora
Orland Park
Chicago
Wilmette
Glencoe
Hinsdale
```

7 rows selected.

```
[Question 6-C]
SUPPLIER_CITY
-----
```

```
Orland Park
```

```
*/
```

```
--
*****
*****
```