## Michael Longstreth Module 4 October 8, 2017

1.

DUNTRY_NAME	CITY	STATE_PROVINCE	(
gentina	Beijing		
rgentina	Bern	BE	
gentina	Bombay	Maharashtra	]
gentina	Geneva	Geneve	
gentina	Hiroshima		
gentina	London		
gentina	Mexico City	Distrito Federal,	
gentina	Munich	Bavaria	
gentina	Oxford	Oxford	
gentina	Roma		
gentina	Sao Paulo	Sao Paulo	
DUNTRY_NAME	CITY	STATE_PROVINCE	
gentina	Seattle	Washington	

COUNTRY_NAME	CITY	STATE_PROVINCE	CO
Zimbabwe	Roma		IT
Zimbabwe	Sao Paulo	Sao Paulo	BR
Zimbabwe	Seattle	Washington	US
Zimbabwe	Singapore		SG
Zimbabwe	South Brunswick	New Jersey	US
Zimbabwe	South San Francisco	California	US
Zimbabwe	Southlake	Texas	US
Zimbabwe	Stretford	Manchester	UK
Zimbabwe	Sydney	New South Wales	AU
Zimbabwe	Tokyo	Tokyo Prefecture	JР
Zimbabwe	Toronto	Ontario	CA
COUNTRY_NAME	CITY	STATE_PROVINCE	СО
Zimbabwe	Utrecht	Utrecht	NL
Zimbabwe	Venice		IT
Zimbabwe	Whitehorse	Yukon	CA
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OUNTRY_NAME CITY STATE_PROVINCE C		Southlake	16792	
	DUNTRY_NAME	CITY	STATE_PROVINCE	C

SQL> SELECT c.country_name, l.city 2 FROM countries c RIGHT OUTER 3 ORDER BY c.country_name ASC,	JOIN locations 1 ON c.country_id		
COUNTRY_NAME	CITY	STATE_PROVINCE	CO
Australia	Sydney	New South Wales	AU
Brazil	Sao Paulo	Sao Paulo	BR
Canada	Toronto	Ontario	CA
Canada	Whitehorse	Yukon	CA
China	Beijing		CN
Germany	Munich	Bavaria	DE
India	Bombay	Maharashtra	IN
Italy	Roma		IT
Italy	Venice		IT
Japan	Hiroshima		JP
Japan	Tokyo	Tokyo Prefecture	JР
COUNTRY_NAME	CITY	STATE_PROVINCE	СО
Mexico	Mexico City	Distrito Federal,	MX
Netherlands	Utrecht	Utrecht	NL
Singapore	Singapore		SG
Switzerland	Bern	BE	CH
Switzerland	Geneva	Geneve	CH
United Kingdom	London		UK
United Kingdom	Oxford	Oxford	UK
United Kingdom	Stretford	Manchester	UK
United States of America	Seattle	Washington	US
United States of America	South Brunswick	New Jersey	US
United States of America	South San Francisco	California	US
COUNTRY_NAME	CITY	STATE_PROVINCE	СО
United States of America	Southlake	Texas	US
23 rows selected.			

COUNTRY NAME	CITY	STATE PROVINCE	
		· <del>-</del>	
Australia	Sydney	New South Wales	
Brazil	Sao Paulo	Sao Paulo	
Canada	Toronto	Ontario	
Canada	Whitehorse	Yukon	
China	Beijing		
Germany	Munich	Bavaria Maharashtra	
India Italv	Bombay Roma	Manarashtra	
	Koma Venice		
Italy Japan	venice Hiroshima		
Japan Japan	Tokyo	Tokyo Prefecture	
COUNTRY_NAME	CITY	STATE_PROVINCE	
 Mexico	Mexico City	Distrito Federal,	
Netherlands	Utrecht	Utrecht	
Singapore	Singapore		
Switzerland	Bern	BE	
Switzerland	Geneva	Geneve	
United Kingdom	London		
United Kingdom	Oxford	Oxford	
United Kingdom	Stretford	Manchester	
United States of America	Seattle	Washington	
United States of America	South Brunswick	New Jersey	
United States of America	South San Francisco	California	
COUNTRY NAME	CITY	STATE PROVINCE	

```
SQL> SELECT c.country_name, l.city, l.state_province, country_id
2 FROM countries c NATURAL INNER JOIN locations l
  3 ORDER BY c.country_name ASC, l.city ASC;
COUNTRY_NAME
                                                                               STATE_PROVINCE
                                                                                                            CO
Australia
                                             Sydney
                                                                               New South Wales
                                                                                                            ΑU
Brazil
                                             Sao Paulo
                                                                               Sao Paulo
                                                                                                           BR
Canada
                                             Toronto
                                                                               Ontario
                                                                                                           CA
Canada
                                             Whitehorse
                                                                               Yukon
                                             Beijing
                                                                                                           CN
China
Germany
                                             Munich
                                                                               Bavaria
India
                                             Bombay
                                                                               Maharashtra
                                                                                                            ΙN
Italy
                                             Roma
Italy
                                             Venice
                                                                                                            JΡ
                                            Hiroshima
Japan
Japan
                                             Tokyo
                                                                               Tokyo Prefecture
                                                                                                            JΡ
COUNTRY_NAME
                                            CITY
                                                                               STATE_PROVINCE
                                                                                                            CO
                                                                               Distrito Federal,
Mexico
                                                                                                           MX
                                            Mexico City
Netherlands
                                             Utrecht
                                                                               Utrecht
                                                                                                            NL
Singapore
                                             Singapore
                                                                                                            SG
Switzerland
                                             Bern
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Switzerland
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United Kingdom
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United States of America
                                             Stretford
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                                             South San Francisco
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COUNTRY_NAME
                                            CITY
                                                                               STATE_PROVINCE
                                                                                                           CO
United States of America
                                            Southlake
                                                                               Texas
                                                                                                           US
23 rows selected.
```

## 5.

```
SELECT e.last_name || ', ' || e.first_name AS "Employee", d.department_name AS "Department_name", m.first_name || ' ' || m.last_name AS "Manager
         FROM employees e
INNER JOIN departments d USING (department_id)
INNER JOIN employees m ON m.employee_id=d.manager_id
ORDER BY d.department_name;
                                                                                                                      Department_name
                                                                                                                                                                                                    Manager
Higgins, Shelley
Gietz, William
Whalen, Jennifer
King, Steven
Kochhar, Neena
De Haan, Lex
Greenberg, Nancy
Faviet, Daniel
Popp Luis
                                                                                                                                                                                                    Shelley Higgins
Shelley Higgins
Jennifer Whalen
                                                                                                                     Accounting
Accounting
Administration
                                                                                                                                                                                                   Jennifer Whalen
Steven King
Steven King
Steven King
Nancy Greenberg
Nancy Greenberg
Nancy Greenberg
Nancy Greenberg
Nancy Greenberg
                                                                                                                      Executive
Executive
                                                                                                                       Executive
                                                                                                                      Finance
Finance
Finance
 Popp, Luis
Sciarra, Ismael
Urman, Jose Manuel
                                                                                                                       Finance
Finance
                                                                                                                      Department_name
                                                                                                                                                                                                    Manager
                                                                                                                                                                                                   Nancy Greenberg
Susan Mavris
Alexander Hunold
Alexander Hunold
Alexander Hunold
Alexander Hunold
Michael Hartstein
Michael Hartstein
Hermann Baer
  hen, John
                                                                                                                      Finance
 nen, John
lavris, Susan
lunold, Alexander
crnst, Bruce
corentz, Diana
rataballa, Valli
custin, David
                                                                                                                      Human Resources
IT
IT
IT
IT
IT
                                                                                                                      Marketing
Marketing
Public Relations
Purchasing
                                                                                                                                                                                                    Hermann Baer
Den Raphaely
```

Employee	Department_name	Manager
Sullivan, Martha	Shipping	Adam Fripp
Geoni, Girard	Shipping	Adam Fripp
Sarchand, Nandita	Shipping	Adam Fripp
Bull, Alexis	Shipping	Adam Fripp
Dellinger, Julia	Shipping	Adam Fripp
Cabrio, Anthony	Shipping	Adam Fripp
Chung, Kelly	Shipping	Adam Fripp
Dilly, Jennifer	Shipping	Adam Fripp
Gates, Timothy	Shipping	Adam Fripp
Perkins, Randall	Shipping	Adam Fripp
Bell, Sarah	Shipping	Adam Fripp
Employee	Department_name	Manager
Everett, Britney	Shipping	Adam Fripp
McCain, Samuel	Shipping	Adam Fripp
Jones, Vance	Shipping	Adam Fripp
Walsh, Alana	Shipping	Adam Fripp
Feeney, Kevin	Shipping	Adam Fripp
OConnell, Donald	Shipping	Adam Fripp
Fripp, Adam	Shipping	Adam Fripp
106 rows selected.		

6.

2 FROM employees e	ees m ON e.manager_id=m.en t_id=80	, m.last_name AS "Manager Last Name", e.department_id
Employee Last Name	Manager Last Name	DEPARTMENT_ID
Kumar	Cambrault	80
Bates	Cambrault	80
Smith	Cambrault	80
Fox	Cambrault	80
Bloom	Cambrault	80
Ozer	Cambrault	80
Banda	Errazuriz	80
Ande	Errazuriz	80
Lee	Errazuriz	80
Vishney	Errazuriz	80
Greene	Errazuriz	80
Employee Last Name	Manager Last Name	DEPARTMENT_ID
Marvins	Errazuriz	80
Cambrault	King	80
Errazuriz	King	80
Partners	King	80
Russell	King	80
Zlotkey	King	80
Sully	Partners	80
McEwen	Partners	80

King         Partners         80           Tucker         Russell         80           Bernstein         Russell         80           Hall         Russell         80           Olsen         Russell         80           Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	Emplovee Last Name	Manager Last Name	DEPARTMENT ID
Tucker         Russell         80           Bernstein         Russell         80           Hall         Russell         80           Olsen         Russell         80           Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID			
Tucker         Russell         80           Bernstein         Russell         80           Hall         Russell         80           Olsen         Russell         80           Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	King	Partners	80
Hall         Russell         80           Olsen         Russell         80           Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	Tucker	Russell	80
Olsen         Russell         80           Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	Bernstein	Russell	80
Cambrault         Russell         80           Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	Hall	Russell	80
Tuvault         Russell         80           Johnson         Zlotkey         80           Livingston         Zlotkey         80           Taylor         Zlotkey         80           Hutton         Zlotkey         80           Employee Last Name         Manager Last Name         DEPARTMENT_ID	Olsen	Russell	80
Johnson     Zlotkey     80       Livingston     Zlotkey     80       Taylor     Zlotkey     80       Hutton     Zlotkey     80       Employee Last Name     Manager Last Name     DEPARTMENT_ID	Cambrault	Russell	80
Livingston Zlotkey 80 Taylor Zlotkey 80 Hutton Zlotkey 80 Employee Last Name Manager Last Name DEPARTMENT_ID	Tuvault	Russell	80
Taylor Zlotkey 80 Hutton Zlotkey 80 Employee Last Name Manager Last Name DEPARTMENT_ID	Johnson	Zlotkey	80
Hutton Zlotkey 80  Employee Last Name Manager Last Name DEPARTMENT_ID	Livingston	Zlotkey	80
Employee Last Name Manager Last Name DEPARTMENT_ID	Taylor	Zlotkey	80
	Hutton	Zlotkey	80
Abel Zlotkey 80	Employee Last Name	Manager Last Name	DEPARTMENT_ID
· ·	Abel	Zlotkey	80
34 rows selected.	34 rows selected.		