L5a-W6-DBS301-Simple Joins

*STEP 1: rename this file to L4-your id name*

*STEP 2: Put the SQL ONLY this time after each question below*

*STEP 3: Email this back before the deadline*

# SELECT STATEMENTS ONLY for submission

1)      Display the department name, city, street address and postal code for departments sorted by city and department name.

SELECT DEPARTMENT\_NAME, CITY, STREET\_ADDRESS, POSTAL\_CODE

FROM DEPARTMENTS d, LOCATIONS l

WHERE d.LOCATION\_ID = l.LOCATION\_ID

ORDER BY CITY, DEPARTMENT\_NAME;

DEPARTMENT\_NAME CITY STREET\_ADDRESS POSTAL\_CODE

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Sales Oxford Magdalen Centre, The Oxford Science Park OX9 9ZB

Accounting Seattle 2004 Charade Rd 98199

Administration Seattle 2004 Charade Rd 98199

Contracting Seattle 2004 Charade Rd 98199

Executive Seattle 2004 Charade Rd 98199

Shipping South San Francisco 2011 Interiors Blvd 99236

IT Southlake 2014 Jabberwocky Rd 26192

Marketing Toronto 147 Spadina Ave M5V 2L7

8 rows selected

2)      Display full name of employees as a single field using format of **Last,** **First**, their hire date, salary, department name and city, but only for departments with names starting with an **A** or **S** sorted by department name and employee name.

SELECT LAST\_NAME || ', ' || FIRST\_NAME AS "Employee Name", HIRE\_DATE, SALARY, DEPARTMENT\_NAME, CITY

FROM DEPARTMENTS d, EMPLOYEES e, LOCATIONS l

WHERE (d.DEPARTMENT\_ID=e.DEPARTMENT\_ID AND d.LOCATION\_ID=l.LOCATION\_ID)

AND (d.DEPARTMENT\_NAME LIKE 'A%'

OR d.DEPARTMENT\_NAME LIKE 'S%')

ORDER BY 4, 1;

Employee Name HIRE\_DATE SALARY DEPARTMENT\_NAME CITY

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Gietz, William 94-06-07 8300 Accounting Seattle

Higgins, Shelley 94-06-07 12000 Accounting Seattle

Whalen, Jennifer 87-09-17 4400 Administration Seattle

Abel, Ellen 96-05-11 11000 Sales Oxford

Taylor, Jonathon 98-03-24 8600 Sales Oxford

Zlotkey, Eleni 00-01-29 10500 Sales Oxford

Davies, Curtis 97-01-29 3100 Shipping South San Francisco

Matos, Randall 98-03-15 2600 Shipping South San Francisco

Mourgos, Kevin 99-11-16 5800 Shipping South San Francisco

Rajs, Trenna 95-10-17 3500 Shipping South San Francisco

Vargas, Peter 98-07-09 2500 Shipping South San Francisco

11 rows selected

3)      Display the full name of the manager of each department in states/provinces of Ontario, California and Washington along with the department name, city, postal code and province name. Sort the output by city and then by department name.

SELECT LAST\_NAME || ',' || FIRST\_NAME AS "Manager Name", DEPARTMENT\_NAME, CITY, POSTAL\_CODE, STATE\_PROVINCE

FROM LOCATIONS l, EMPLOYEES e, DEPARTMENTS d

WHERE (d.MANAGER\_ID=e.MANAGER\_ID AND d.LOCATION\_ID=l.LOCATION\_ID

AND l.STATE\_PROVINCE IN ('Ontario', 'California', 'Washington'))

ORDER BY 3, 2;

Manager Name DEPARTMENT\_NAME CITY POSTAL\_CODE STATE\_PROVINCE

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Gietz,William Accounting Seattle 98199 Washington

De Haan,Lex Executive Seattle 98199 Washington

Kochhar,Neena Executive Seattle 98199 Washington

Mourgos,Kevin Executive Seattle 98199 Washington

Zlotkey,Eleni Executive Seattle 98199 Washington

Hartstein,Michael Executive Seattle 98199 Washington

Matos,Randall Shipping South San Francisco 99236 California

Rajs,Trenna Shipping South San Francisco 99236 California

Vargas,Peter Shipping South San Francisco 99236 California

Davies,Curtis Shipping South San Francisco 99236 California

Fay,Pat

4)      Display employee’s last name and employee number along with their manager’s last name and manager number. Label the columns Employee, Emp#, Manager, and Mgr# respectively.

SELECT e.LAST\_NAME AS "Employee", e.EMPLOYEE\_ID AS "Emp#", m.LAST\_NAME AS "Manager", e.MANAGER\_ID AS "Mgr#"

FROM EMPLOYEES e LEFT OUTER JOIN EMPLOYEES m ON (e.MANAGER\_ID = m.EMPLOYEE\_ID);

Employee Emp# Manager Mgr#

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Hunold 103 De Haan 102

Fay 202 Hartstein 201

Gietz 206 Higgins 205

Lorentz 107 Hunold 103

Ernst 104 Hunold 103

Hartstein 201 King 100

Zlotkey 149 King 100

Mourgos 124 King 100

De Haan 102 King 100

Kochhar 101 King 100

Higgins 205 Kochhar 101

Whalen 200 Kochhar 101

Vargas 144 Mourgos 124

Matos 143 Mourgos 124

Davies 142 Mourgos 124

Rajs 141 Mourgos 124

Grant 178 Zlotkey 149

Taylor 176 Zlotkey 149

Abel 174 Zlotkey 149

King 100

20 rows selected