L5a-W6-DBS301-Simple Joins

**NOTE 1: This is about simple joins, so no LEFT or RIGHT joins etc. Required.**

**NOTE 2: There is a 5b on joins that also needs to be done**

**NOTE 3: If you are not finishing this in week 5, then you are actually running behind. The labs have been extended to week 6 to submit. Please catch up.**

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 locations, departments**

**where departments.location\_id = locations.location\_id**

**order by city, department\_name;**

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 "Last, First", hire\_date, salary, department\_name, city**

**FROM employees e JOIN departments d USING (department\_id)**

**JOIN locations l USING (location\_id)**

**WHERE department\_name like 'A%' OR department\_name like 'S%'**

**ORDER BY department\_name, "Last, First";**

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 "Full manager name",**

**department\_name, city, postal\_code, state\_province**

**from employees e JOIN departments d USING (manager\_id)**

**Join locations l using (location\_id)**

**where state\_province IN ('Ontario','California','Washington')**

**order by city, department\_name;**

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 "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);**