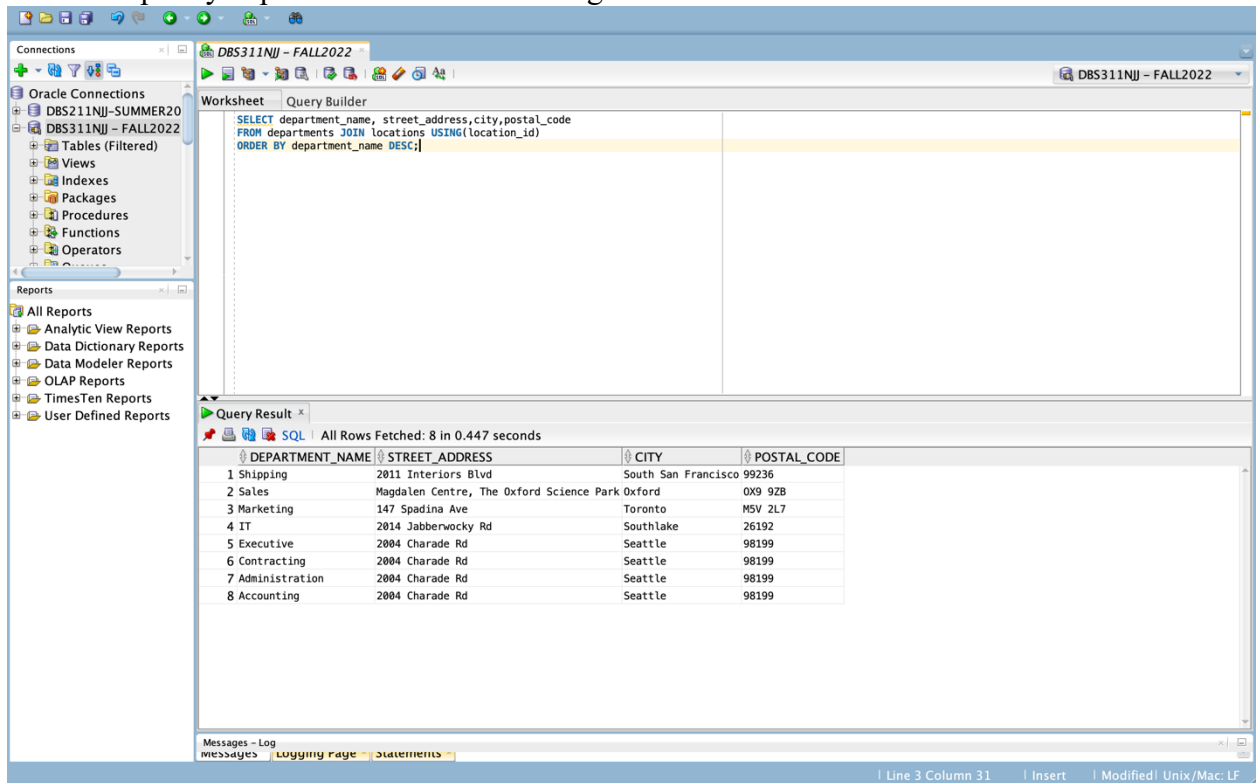


1. Display the department name, city, street address and postal code for all departments. Use the JOIN and USING form of syntax. Sort the output by department name descending.



The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists 'DBS311NJ - FALL2022' as the selected connection. The 'Query Builder' pane displays the following SQL query:

```
SELECT department_name, street_address, city, postal_code
FROM departments JOIN locations USING(location_id)
ORDER BY department_name DESC;
```

The 'Query Result' pane shows the output of the query, with 8 rows fetched in 0.447 seconds. The results are displayed in a table with the following columns: DEPARTMENT_NAME, STREET_ADDRESS, CITY, and POSTAL_CODE.

DEPARTMENT_NAME	STREET_ADDRESS	CITY	POSTAL_CODE
1 Shipping	2011 Interiors Blvd	South San Francisco	99236
2 Sales	Magdalen Centre, The Oxford Science Park	Oxford	OX9 9ZB
3 Marketing	147 Spadina Ave	Toronto	M5V 2L7
4 IT	2014 Jabberwocky Rd	Southlake	26192
5 Executive	2004 Charade Rd	Seattle	98199
6 Contracting	2004 Charade Rd	Seattle	98199
7 Administration	2004 Charade Rd	Seattle	98199
8 Accounting	2004 Charade Rd	Seattle	98199

2. Display full name of the employees, their hire date and salary together with their department name, but only for departments which names start with A or S. Full name should be in format of :

First / Last. Use the JOIN and ON form of syntax.
Sort the output by department name and then by last name.

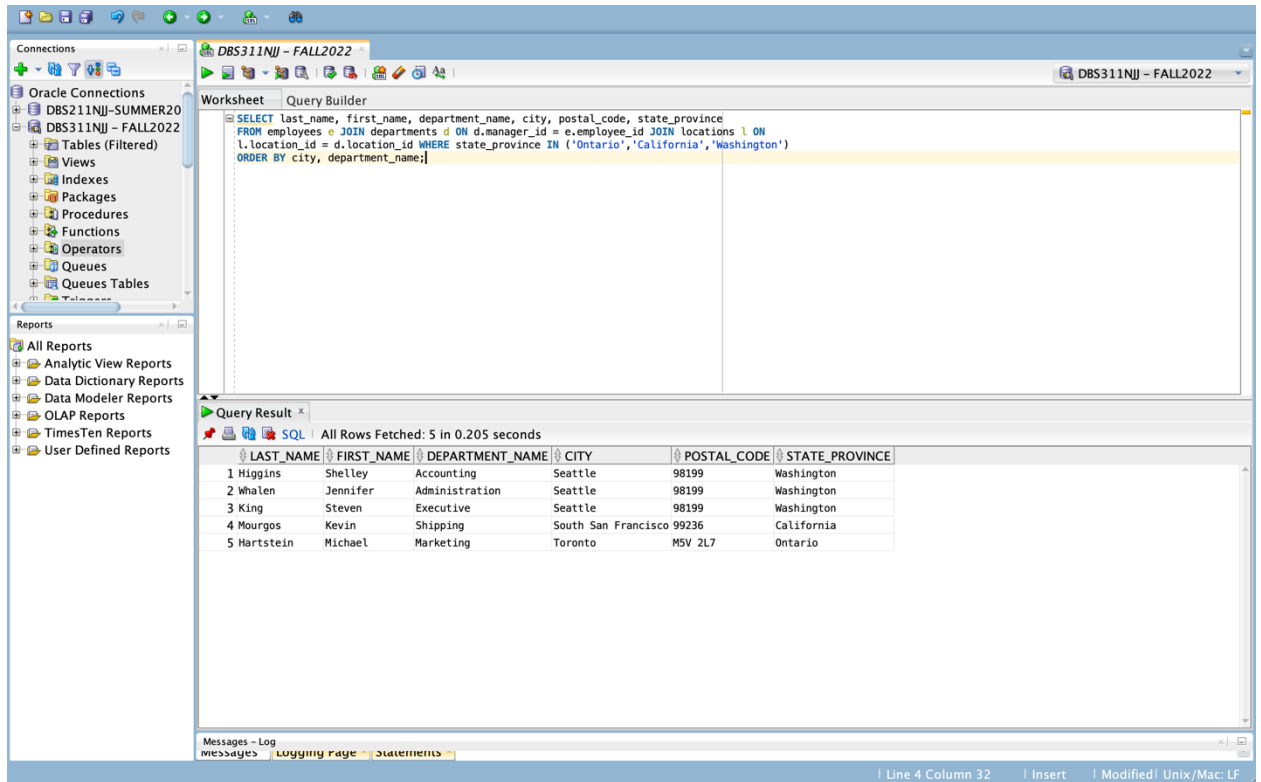
The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists 'DBS311NJ - FALL2022'. The 'Query Builder' pane shows the following SQL query:

```
SELECT e.last_name, e.first_name, e.hire_date, e.salary, d.department_name
FROM employees e JOIN departments d ON (e.department_id = d.department_id)
WHERE d.department_name LIKE 'A%' OR d.department_name LIKE 'S%' ORDER BY d.department_name, e.last_name;
```

The 'Query Result' pane displays the following data:

	LAST_NAME	FIRST_NAME	HIRE_DATE	SALARY	DEPARTMENT_NAME
1	Gietz	William	94-06-07	8300	Accounting
2	Higgins	Shelley	94-06-07	12000	Accounting
3	Whalen	Jennifer	87-09-17	4400	Administration
4	Abel	Ellen	96-05-11	11000	Sales
5	Taylor	Jonathon	98-03-24	8600	Sales
6	Zlotkey	Eleni	00-01-29	10500	Sales
7	Davies	Curtis	97-01-29	3100	Shipping
8	Matos	Randall	98-03-15	2600	Shipping
9	Mourgos	Kevin	99-11-16	5800	Shipping
10	Rajs	Trenna	95-10-17	3500	Shipping
11	Vargas	Peter	98-07-09	2500	Shipping

- Display full name of the manager of each department in provinces Ontario, California and Washington plus department name, city, postal code and province name. Full name should be in format of :
Last, First. Use the JOIN and ON form of syntax.
Sort the output by city and then by department name.



4. Display the department name and Highest, Lowest and Average pay per each department. Name these results *High*, *Low* and *Avg*.
Use JOIN and ON form of the syntax.
Sort the output so that department with highest average salary are shown first.

