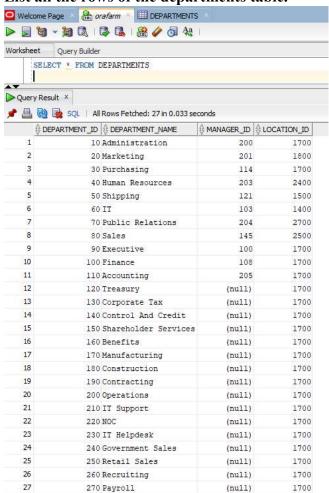
## Aaron Lim (005893468)

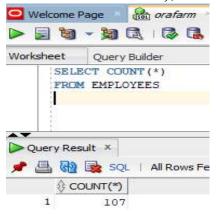
## **CSE572**

## LAB 2

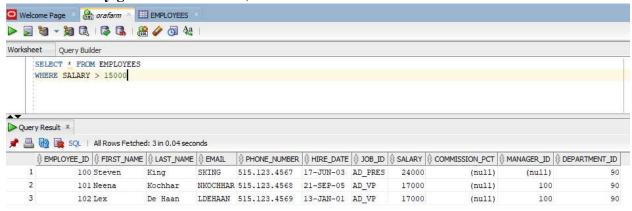
1.) List all the rows of the departments table.



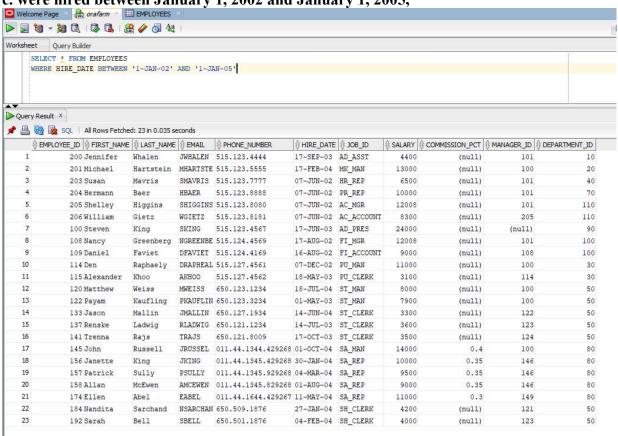
2.) Find the number of employees in the database (hint: use the COUNT() aggregate function for this);



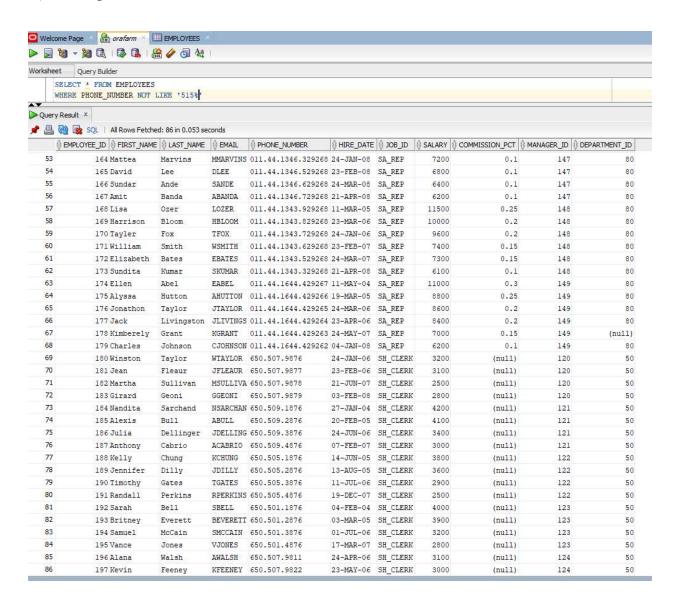
- a. List the employees who:
- b. have a salary greater than 15000,



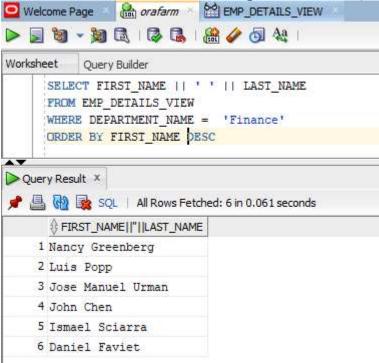
c. were hired between January 1, 2002 and January 1, 2005,



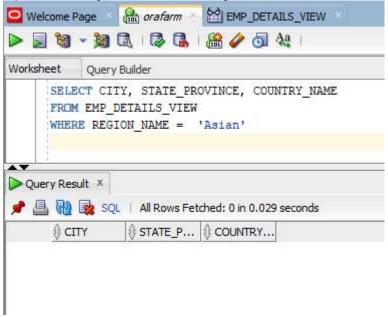
## 3.) have a phone number that doesn't start with 515



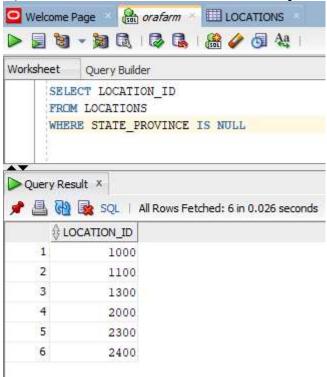
4.) List the names of the employees who are in the finance department. Try to format the names as "firstname lastname" using concatenation (i.e., ||) and order them alphabetically.



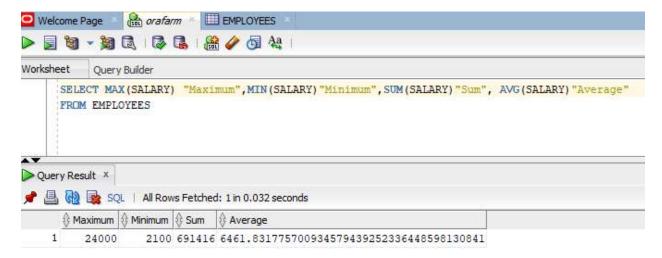
5.) List the city, state and country name for all locations in the Asian region.



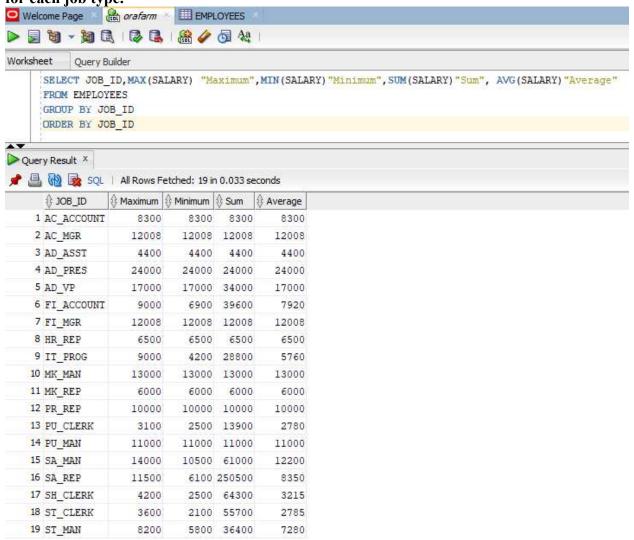
6.) List the locations that have no state or province specified in the database.



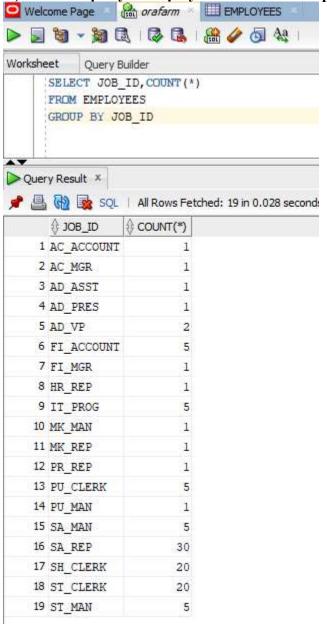
7.) Create a query to display the highest, lowest, sum and average salary of all employees. Label the columns Maximum, Minimum, Sum and Average, respectively



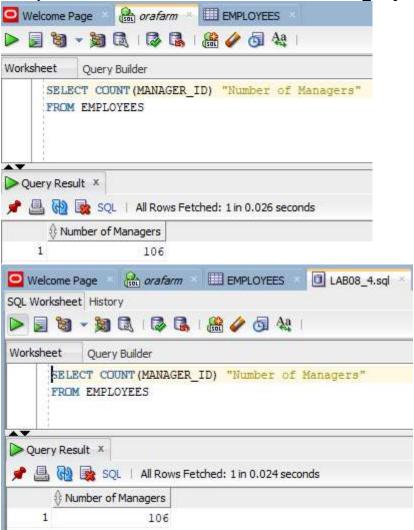
8.) Modify the query in Step 7 to display the minimum, maximum, sum, and average salary for each job type.



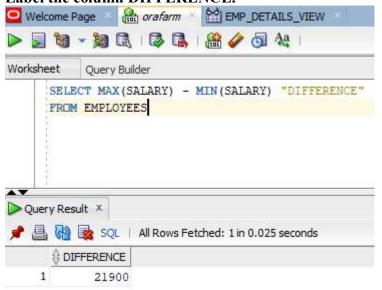
9.) Create a query to display the number of employees with the same job.



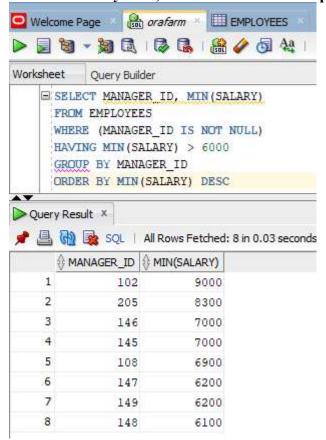
10.) Determine the number of managers without listing them. Label the column Number of Managers. HINT: Use the MANAGER\_ID column to determine the number of managers. Save your SQL statement in a text file named LAB08 4.sql. Run your query.



11.) Write a query that displays the difference between the highest and lowest salaries. Label the column DIFFERENCE.



12.) Display the manager number and the salary of the lowest paid employee for that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is \$6,000 or less. Sort the output in descending order of salary.



13.) Write a query to display each department's name, location, number of employees, and the average salary for all employees in that department. Label the columns Department, Location, Number of Workers, and Average Salary, respectively. Round the average salary to two decimal places.

