Clear screenshots of successful run of SQL query and output is required in a single file. Zero will be assigned otherwise. You may use SQL developer or SQL plus. If you want to be independent of mySeneca apps or Seneca Oracle instance, install Oracle XE in your laptop and use SQL plus.

1. Display last name and job id for all employees who perform the same job as *Davies.* Exclude *Davies* from this query.

SELECT last\_name, job\_id

FROM employees

WHERE job\_id = (SELECT job\_id FROM employees WHERE last\_name = 'Davies')

AND last\_name <> 'Davies';

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Description automatically generated

1. Display last name, job id and hire date for all employees hired after *Grant.*

Sort the output by the most recent hire date.

SELECT last\_name, job\_id, hire\_date

FROM employees

WHERE hire\_date >

(SELECT hire\_date FROM employees WHERE last\_name = 'Grant')

ORDER BY hire\_date DESC;

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1. Display city, province name and postal code for all departments located in countries that start with letter *I*(meaning Italy, Israel and India). If the province is blank, show message *Unknown*and the heading should be *Province***.**

Sort the output by city ascending.

SELECT city, NVL(state\_province, 'Unknown') AS Province, postal\_code

FROM locations

WHERE country\_id IN

(SELECT country\_id FROM countries WHERE country\_name like 'I%')

AND location\_id IN

(SELECT location\_id FROM departments)

ORDER BY city;

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1. Display last name, job id and salary for all employees who earn less than the Average salary in the *Sales* department. Do NOT use Join method.

Sort the output by top salaries first and then by job\_title.

SELECT last\_name, job\_id, salary

FROM employees

WHERE salary <

(SELECT AVG(salary) FROM employees WHERE department\_id=

(SELECT department\_id FROM departments WHERE department\_name = ‘SALES’))

ORDER BY salary

DESC, job\_id;

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1. Display last name, job id and salary for all employees whose salary matches any of

the salaries from the *IT* Department.

Sort the output by salary ascending first and then by last\_name.

SELECT last\_name, job\_id, salary

FROM employees

WHERE salary IN

(SELECT salary FROM employees WHERE department\_id=

(SELECT department\_id FROM departments WHERE department\_name = 'IT'))

ORDER BY salary, last\_name;

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1. Display last name and salary for all employees who earn less than the Lowest salary in ANY department.

Sort the output by top salaries first and then by last name.

SELECT last\_name, job\_id, salary

FROM employees

WHERE salary <

ANY (SELECT MIN(salary) FROM employees GROUP BY department\_id)

ORDER BY salary DESC, last\_name;

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