Exp-9



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| **Ex.No.: 9** | | **SUB QUERIES** |
| **Date:** | 06/09/2024 |

1. The HR department needs a query that prompts the user for an employee last name. The query then displays the last name and hire date of any employee in the same department as the employee whose name they supply (excluding that employee). For example, if the user enters Zlotkey, find all employees who work with Zlotkey (excludingZlotkey).

SELECT last\_name, hire\_date FROM employees

WHERE department\_id = ALL( SELECT department\_id FROM employees

WHERE last\_name = 'Zlotkey'

)

AND last\_name != 'Zlotkey';

1. Create a report that displays the employee number, last name, and salary of all employees who earn more than the average salary. Sort the results in order of ascending salary.

# SELECT EMPLOYEE\_ID, LAST\_NAME, SALARY

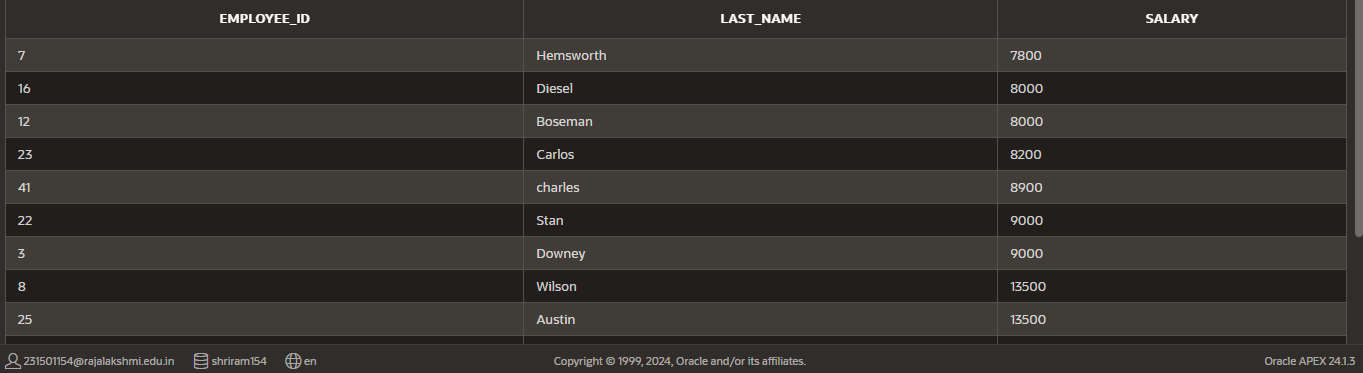
FROM employees WHERE SALARY > (

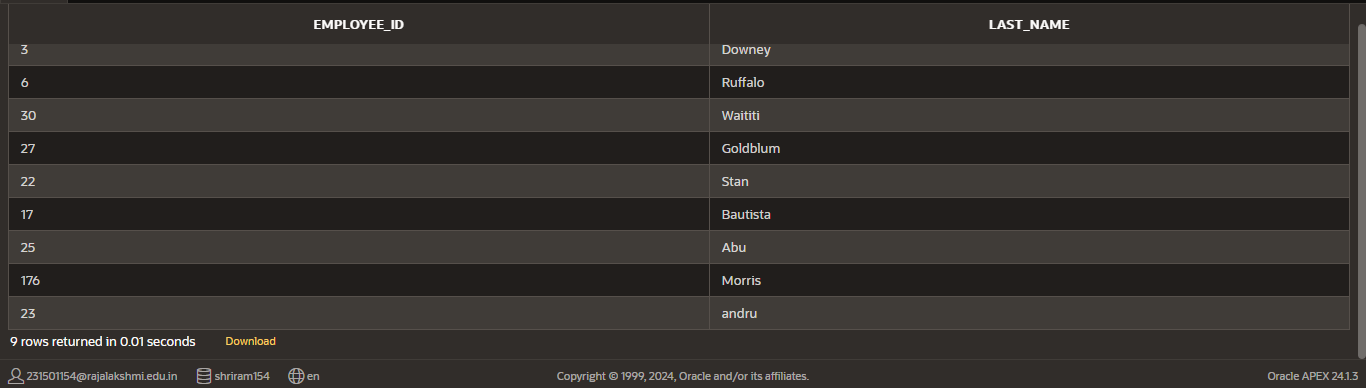
# SELECT AVG(SALARY)

FROM employees

)

# ORDER BY SALARY ASC;





1. Write a query that displays the employee number and last name of all employees whowork in a department with any employee whose last name contains a u.

# SELECT EMPLOYEE\_ID, LAST\_NAME

FROM employees

# WHERE DEPARTMENT\_ID IN ( SELECT DEPARTMENT\_ID

FROM employees

WHERE LAST\_NAME LIKE '%a%' and LAST\_NAME LIKE '%u%');

1. The HR department needs a report that displays the last name, department number, andjob ID of all employees whose department location ID is 1700.

SELECT e.last\_name, e.department\_id, e.job\_id

FROM employees e



INNER JOIN department d ON e.department\_id = d.dept\_id WHERE e.department\_id IN (

SELECT dept\_id FROM department

WHERE location\_id = 1700);



1. Create a report for HR that displays the last name and salary of every employee whoreports to King.

SELECT e.last\_name, e.salary FROM employees e

WHERE e.manager\_id IN ( SELECT d.manager\_id FROM department d

WHERE d.manager\_name = 'king');

1. Create a report for HR that displays the department number, last name, and job ID forevery employee in the Executive department.

SELECT e.department\_id, e.last\_name, e.job\_id FROM employees e

JOIN department d on e.department\_id = d.dept\_id WHERE d.dept\_name = 'executive';



1. Modify the query 3 to display the employee number, last name, and salary of all employees who earn more than the average salary and who work in a department withany employee whose last name contains a u.

SELECT e.employee\_id, e.last\_name, e.salary FROM employees e

WHERE e.salary > ( SELECT AVG(salary) FROM employees

)

AND e.department\_id IN ( SELECT x.department\_id FROM employees x

WHERE x.last\_name LIKE '%a%' AND x.last\_name LIKE '%u%'

);

