9.SUB QUERIES

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 (excluding Zlotkey).

Ans: SELECT LASTNAME, HIREDATE

FROM employees

WHERE DEPARTMENT\_ID = (

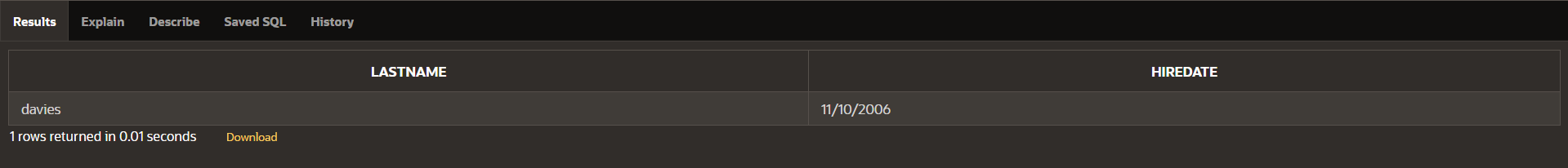
SELECT DEPARTMENT\_ID

FROM employees

WHERE LASTNAME = :enter\_last\_name

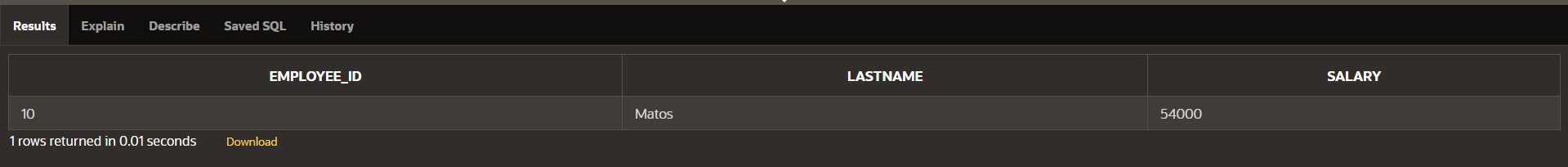
)

AND LASTNAME <> :enter\_last\_name;



2. 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.

Ans: select employee\_id,lastname,salary from employees where salary > (select avg(salary) from employees) order by salary asc;



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

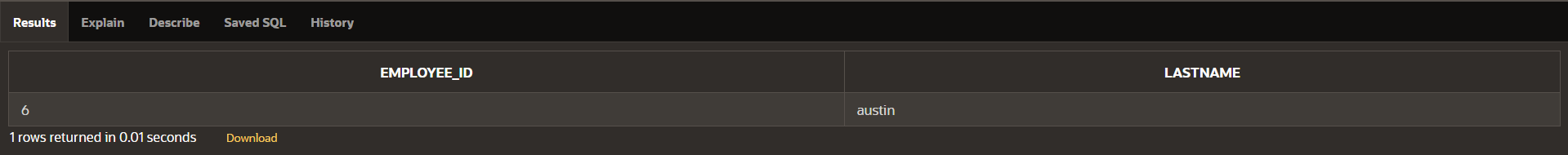
Ans: SELECT employee\_id, lastname

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM employees

WHERE lastname LIKE '%u%');



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

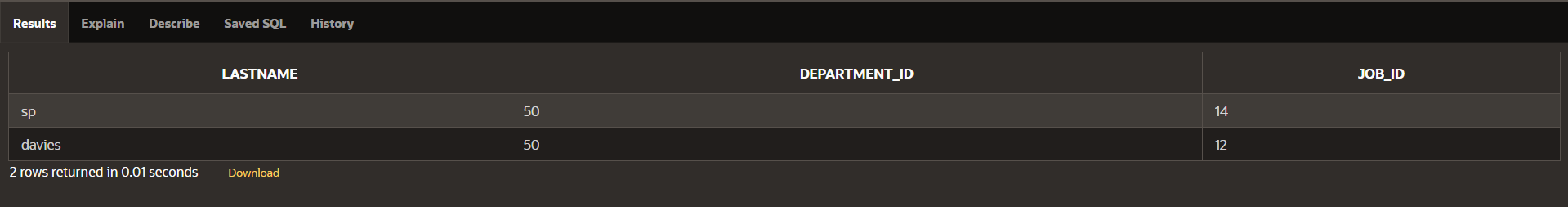
Ans: select lastname, department\_id,job\_id

from employees

where department\_id = (select department\_id

from employees

where country\_id = 1700);



5. Create a report for HR that displays the last name and salary of every employee who reports to King.

Ans: SELECT lastname, salary

FROM employees

WHERE manager\_id = (SELECT employee\_id

FROM employees

WHERE lastname = 'King');



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

Ans: SELECT department\_id, lastname, job\_id

FROM employees

WHERE department\_id = (SELECT departmentid

FROM department\_1

WHERE jobc = 'Executive');



7. 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 with any employee whose last name contains a u.

Ans: SELECT EMPLOYEE\_ID, LASTNAME, SALARY

FROM employees

WHERE SALARY > (

SELECT AVG(SALARY) FROM employees

)

AND DEPARTMENT\_ID IN (

SELECT DISTINCT DEPARTMENT\_ID

FROM employees

WHERE LASTNAME LIKE '%u%'

);

