7.Using Set Operations

1. List department IDs for departments that do not contain the job ID ST\_CLERK. Use set operators to create this report.

Ans: SELECT department\_NO

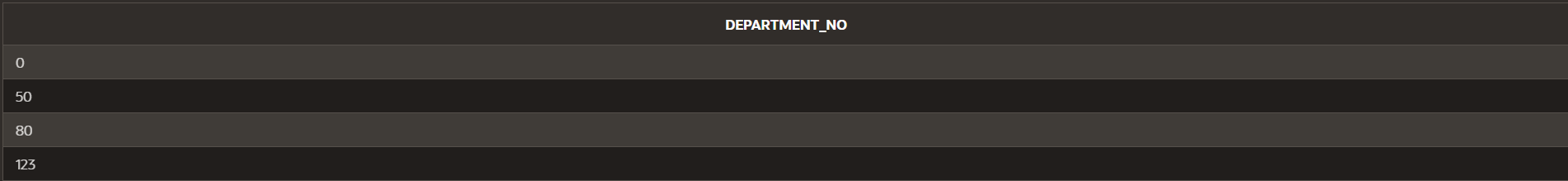
FROM department

MINUS

SELECT department\_id

FROM employees

WHERE job = 'ST\_CLEARK'



2. List countries that have no departments located in them. Display the country ID and the name of the countries. Use set operators to create this report.

Ans: SELECT countryid, country

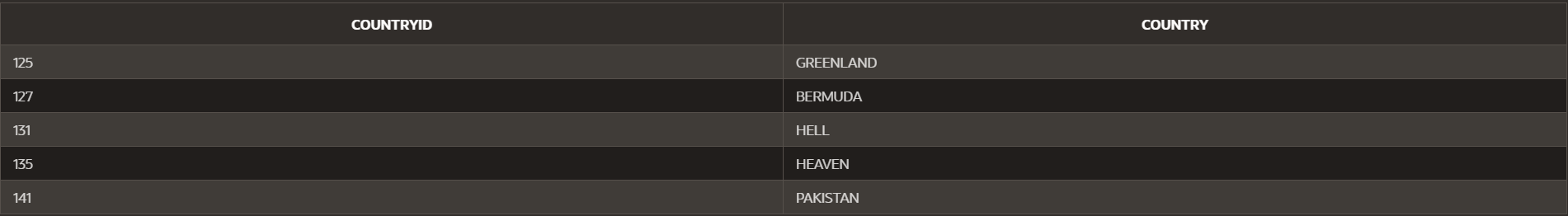
FROM department\_1

MINUS

SELECT countryid, country

FROM department\_1 c, department d

WHERE c.countryid = d.department\_no;



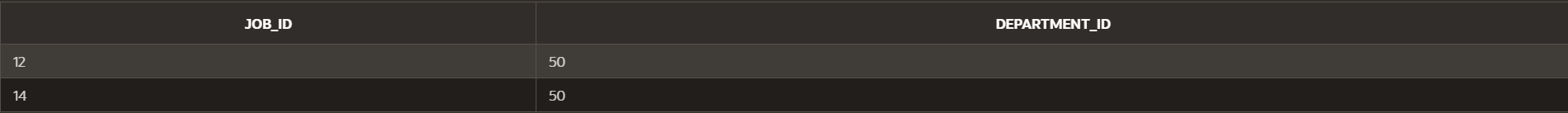
3.Produce a list of jobs for departments 10, 50, and 20, in that order. Display job ID and department ID using set operators.

Ans: SELECT job\_id, department\_id

FROM employees

WHERE department\_id IN (10, 50, 20)

ORDER BY department\_id;



4.Create a report that lists the employee IDs and job IDs of those employees who currently have a job title that is the same as their job title when they were initially hired by the company.

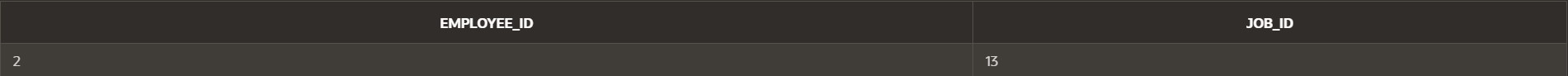
Ans: SELECT employee\_id, job\_id

FROM employees

INTERSECT

SELECT employee\_id, job\_id

FROM jobhistory;



5.The HR department needs a report with the following

specifications:

o Last name and department ID of all the employees from the EMPLOYEES table,regardless of whether or not they belong to a department.

o Department ID and department name of all the departments from the DEPARTMENTS table, regardless of whether or not they have employees working in them.

Ans: SELECT lastname, department\_id

FROM employees

UNION

SELECT dept\_name,department\_no

FROM department;

