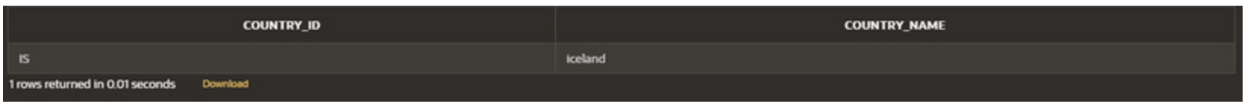
Ex.No.: 7		USING SET OPERATORS
Date:	30/08/2024	

1) The HR department needs a list of department IDs for departments that do not contain the job ID ST_CLERK. Use set operators to create this report.

```
select dept_id from department
minus
select department_id from employees
where job_id = 'ST_CLERK';
```

2) The HR department needs a list of 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.

```
SELECT c.country_id, c.country_name
FROM countries c
LEFT JOIN department d ON c.country_id = d.country_id
WHERE d.country_id IS NULL;
```



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

```
SELECT job_id, department_id
FROM employees
WHERE department_id IN (10, 50, 20)
ORDER BY department_id;
```

JOB_ID	DEPARTMENT_ID
ST_CLERK	10
#ca013	50
#bc023	50
ST_CLERK	50

4 rows returned in 0.01 seconds Download

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 (that is, they changed jobs but have now gone back to doing their original job).

```
SELECT employee_id, job_id
FROM employees
INTERSECT
SELECT employee_id, job_id
FROM job_history;
```

EMPLOYEE_ID	JOB_ID
2	#pr010
20	#bl011
30	#eo020
7	#cb025
1	ST_CLERK

5 rows returned in 0.01 seconds Download

5) The HR department needs a report with the following specifications:

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

- Department ID and department name of all the departments from the DEPARTMENTS table, regardless of whether or not they have employees working in them Write a compound query to accomplish this.

```
SELECT last_name, department_id FROM employees
UNION
SELECT dept_name, dept_id FROM department;
```

LAST_NAME	DEPARTMENT_ID
Austin	25
Austin	45
Austin	50
Austin	55
Austin	60
Austin	70

More than 20 rows available. Increase rows selector to view more rows.

20 rows returned in 0.00 seconds Download