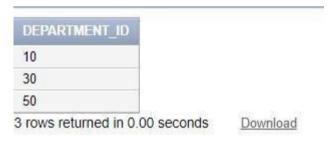
Ex. No:7 Roll No: 230701102

Date:09/10/2024 Name: HARINI.P

## **Using Set Operators**

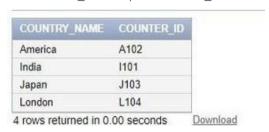
1. The HR department needs a list of department IDs for departments that do not contain the job ID ST\_CLERK. Use set operators to create this report.

SELECT DEPARTMENT\_ID FROM JOB MINUS SELECT DEPARTMENT\_ID FROM JOB WHERE JOB\_ID='Clerk';



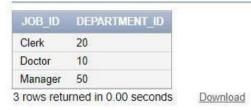
2. The HR department needs a list of countries that have no departments located in them. Display the country ID and the name of the countries. Use set operators to create this report.

SELECT COUNTRY\_NAME,COUNTER\_ID FROM JOB MINUS SELECT COUNTRY\_NAME,COUNTER\_ID FROM JOB WHERE DEPARTMENT\_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 JOB WHERE DEPARTMENT\_ID= 10 UNION SELECT JOB\_ID, DEPARTMENT\_ID FROM JOB WHERE DEPARTMENT\_ID= 50 UNION SELECT JOB\_ID, DEPARTMENT\_ID FROM JOB WHERE DEPARTMENT\_ID= 20;



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 JOB INTERSECT SELECT EMPLOYEE ID, JOB ID FROM JOB HISTORY;



- 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 DEPARTMENT\_ID,EMPLOYEE\_ID FROM JOB; SELECT LAST NAME,DEPARTMENT ID

FROM Dept Table

**UNION ALL** 

SELECT NULL AS LAST NAME, DEPARTMENT ID FROM JOB;

| LAST_NAME | DEPARTMENT_ID |
|-----------|---------------|
| Austin    | 10            |
| Matos     | 20            |
| David     | 30            |
| Dantae    | 50            |
|           | 10            |
| -         | 20            |
|           | 30            |
|           | 50            |

| Q POWE | returned | in 0 00 | eaconde |
|--------|----------|---------|---------|

| EMPLOY | E_ID | JOB_ID      |   |
|--------|------|-------------|---|
| 200    |      | Clerk       |   |
| 300    |      | Data Analys | t |
| 400    |      | Manager     |   |

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