Ex. No:7 Roll No: 231901030

Date:09/10/2024 Name: MOHAMED ARSATH

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';



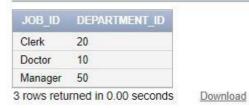
2. The HR department needs a list of countries that have no departments located in them. Display the country ID and the name of the countries. Use set operators to create this report.

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;

DEPARTMENT_	ID EMPLOYEE_ID	
10	100	
20	200	
30	300	
50	400	

- 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		
2	10		
-	20		
ā	30		
	50		

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Results Explain	Describe Sav	ed SQ
EMPLOYEE_ID	JOB_ID	
200	Clerk	
300	Data Analyst	
400	Manager	
3 rows returned in	0.00 seconds	Do

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