Ex. No:7

Roll No: 230701397

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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';

DEPARTMENT_ID
10
30
50

3 rows returned in 0.00 seconds Download

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;

COUNTRY_NAME	COUNTER_ID
America	A102
India	I101
Japan	J103
London	L104

4 rows returned in 0.00 seconds Download

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;

JOB_ID	DEPARTMENT_ID
Clerk	20
Doctor	10
Manager	50

3 rows returned in 0.00 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 JOB INTERSECT SELECT EMPLOYEE_ID,JOB_ID FROM JOB_HISTORY;

DEPARTMENT_ID	EMPLOYEE_ID
10	100
20	200
30	300
50	400

4 rows returned in 0.00 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 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

8 rows returned in 0.00 seconds Download

Results Explain Describe Saved SQ

EMPLOYEE_ID	JOB_ID
200	Clerk
300	Data Analyst
400	Manager

3 rows returned in 0.00 seconds Dow