**LAB 04**

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**Subject code:** NBB

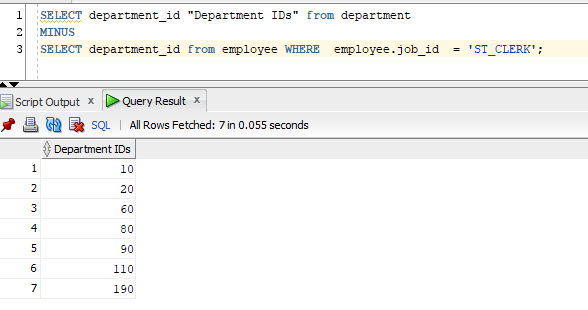
**Submission date:** 23/06/2021

1. The HR department needs a list of Department IDs for departments that do not contain the job ID of ST\_CLERK. Exclude NULL departments from your result. Use a set operator to create this list.

SELECT department\_id "Department IDs" from department

MINUS

SELECT department\_id from employee WHERE employee.job\_id = 'ST\_CLERK';



1. Display list with employee’s Id, Job Id and Salary that will include the current job and salary and all previous Jobs , if they have them (here you will display salary of -1). Use a set operator for this report.

SELECT employee\_id, job\_id, salary

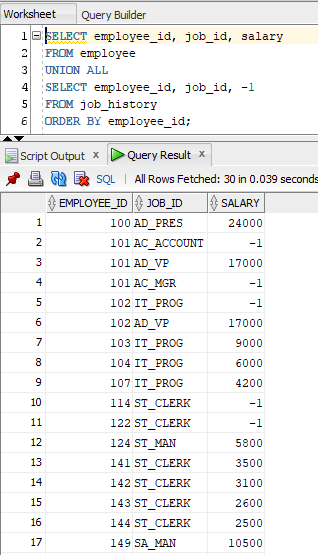
FROM employee

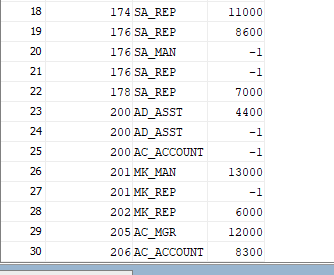
UNION ALL

SELECT employee\_id, job\_id, -1

FROM job\_history

ORDER BY employee\_id;





1. Display cities that no warehouse is located in them. Use set operator to answer this question.

By using set operator

SELECT city

FROM locations

WHERE location\_id IN (SELECT location\_id FROM locations

MINUS

SELECT location\_id FROM warehouses)

ORDER BY city;

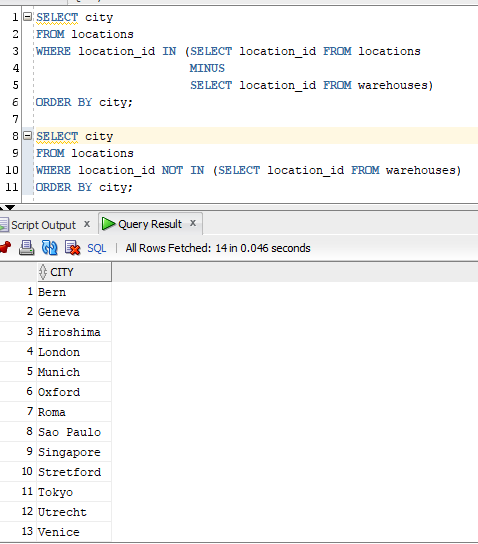
OR (NOT IN)

SELECT city

FROM locations

WHERE location\_id NOT IN (SELECT location\_id FROM warehouses)

ORDER BY city;



1. Display the category ID, category name, and the number of products in category 1, 2, and 5. In your result, display first the number of products in category 5, then category 1 and then 2.

Use ANY method to solve this problem.

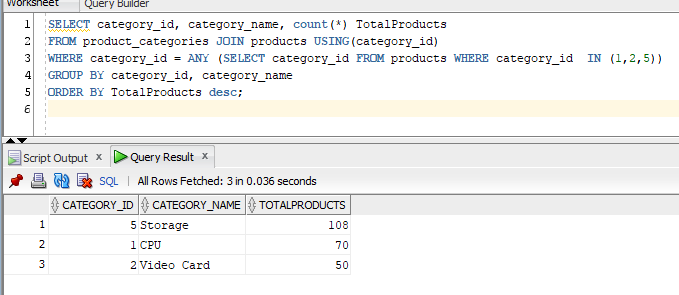
SELECT category\_id, category\_name, count(\*) TotalProducts

FROM product\_categories JOIN products USING(category\_id)

WHERE category\_id = ANY (SELECT category\_id FROM products WHERE category\_id IN (1,2,5))

GROUP BY category\_id, category\_name

ORDER BY TotalProducts desc;

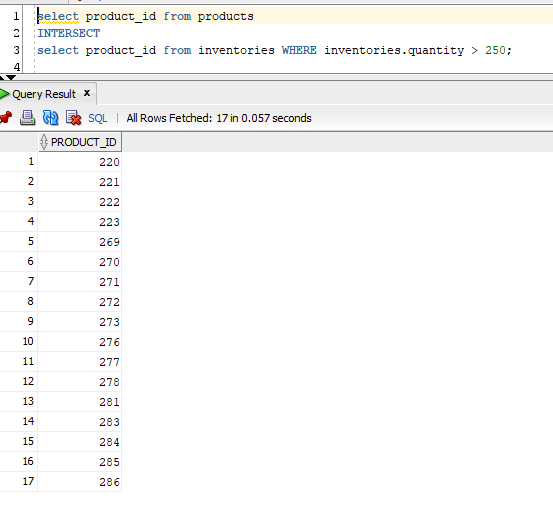


1. Display product ID for ordered products whose quantity in the inventory is greater than 250. (You are not allowed to use JOIN for this question.)

select product\_id from products

INTERSECT

select product\_id from inventories WHERE inventories.quantity > 250;



1. We need a single report to display all warehouses and the city and state that they are located in, also all states regardless of whether they have warehouses in them or not.

If state value is blank, display **No State**.

Here is a partial output:

**Loc# City State Warehouse**

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1 Roma No State

2 Venice No State

3 Tokyo Tokyo Prefecture

4 Hiroshima No State

5 Southlake Texas

5 Southlake, Texas

6 South San Francisco California

6 San Francisco

SELECT location\_id "Loc#", city AS "City", NVL(state, 'NO State') AS "State", TO\_CHAR(' ') "Warehouse"

FROM locations

UNION

SELECT location\_id , TO\_CHAR(' '), TO\_CHAR(' '), warehouse\_name

FROM warehouses;

