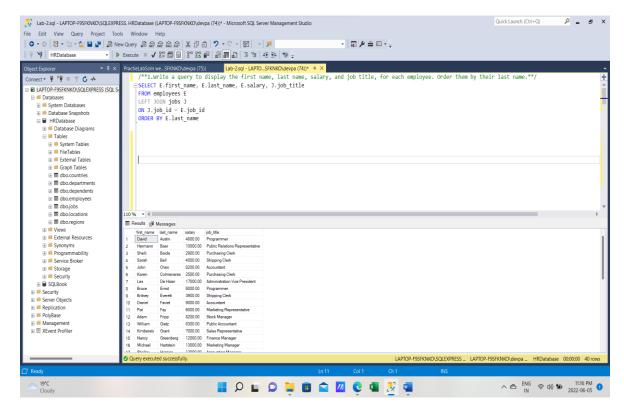
Student ID: W0787429

**DAB-203** 

## DAB203#Lab2 [Marks: 20]

1. Write a query to display the first name, last name, salary, and job title, for each employee. Order them by their last name.

```
SELECT E.first_name, E.last_name, E.salary, J.job_title
FROM employees E
LEFT JOIN jobs J
ON J.job_id = E.job_id
ORDER BY E.last_name
```

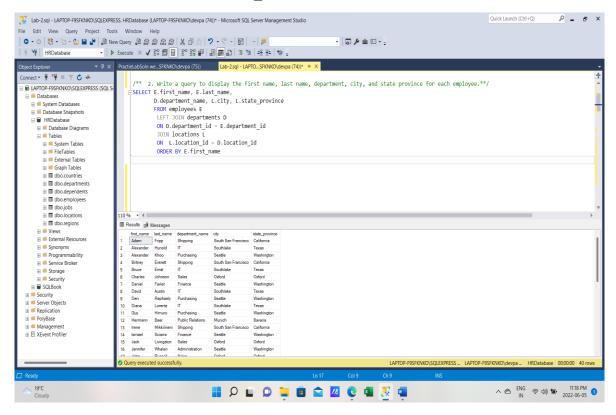


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**DAB-203** 

2. Write a query to display the first name, last name, department, city, and state province for each employee.

```
SELECT E.first_name, E.last_name,
    D.department_name, L.city, L.state_province
    FROM employees E
    LEFT JOIN departments D
    ON D.department_id = E.department_id
    JOIN locations L
    ON L.location_id = D.location_id
    ORDER BY E.first_name
```

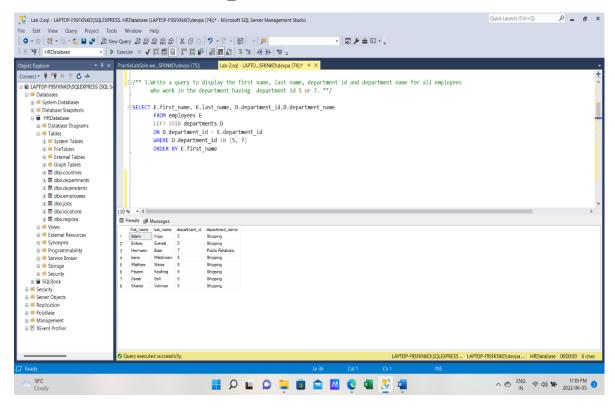


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**DAB-203** 

3. Write a query to display the first name, last name, department id and department name for all employees who work in the department having department id 5 or 7.

```
SELECT E.first_name, E.last_name, D.department_id,D.department_name
    FROM employees E
    LEFT JOIN departments D
    ON D.department_id = E.department_id
    WHERE D.department_id IN (5, 7)
    ORDER BY E.first_name
```

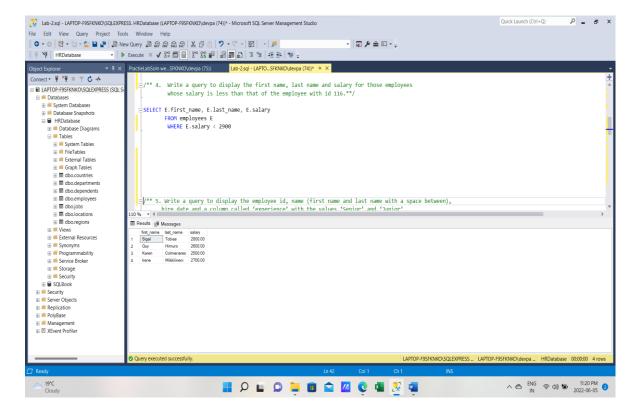


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**DAB-203** 

4. Write a query to display the first name, last name and salary for those employees whose salary is less than that of the employee with id 116.

```
SELECT E.first_name, E.last_name, E.salary
    FROM employees E
    WHERE E.salary < 2900</pre>
```

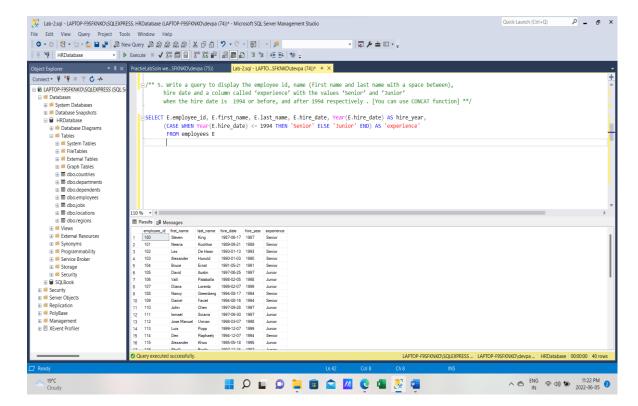


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**DAB-203** 

5. Write a query to display the employee id, name (first name and last name with a space between), hire date and a column called 'experience' with the values 'Senior' and 'Junior' when the hire date is 1994 or before, and after 1994 respectively. [You can use CONCAT function]

```
SELECT E.employee_id, E.first_name, E.last_name, E.hire_date,
Year(E.hire_date) AS hire_year,
  (CASE WHEN Year(E.hire_date) <= 1994 THEN 'Senior' ELSE 'Junior' END)
  AS 'experience'
  FROM employees E</pre>
```

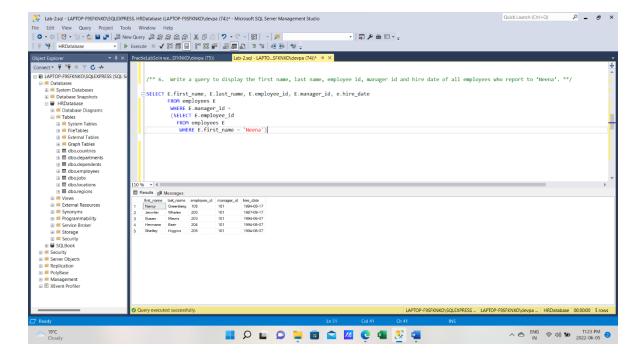


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**DAB-203** 

6. Write a query to display the first name, last name, employee id, manager id and hire date of all employees who report to 'Neena'.

```
SELECT E.first_name, E.last_name, E.employee_id, E.manager_id,
e.hire_date
    FROM employees E
    WHERE E.manager_id =
    (SELECT E.employee_id
    FROM employees E
    WHERE E.first_name = 'Neena')
```

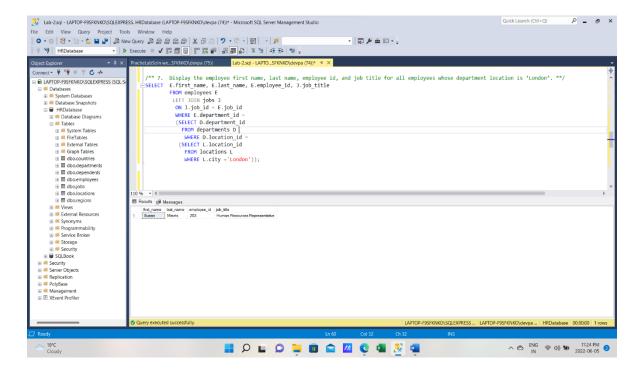


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**DAB-203** 

7. Display the employee first name, last name, employee id, and job title for all employees whose department location is 'London'.

```
SELECT E.first_name, E.last_name, E.employee_id, J.job_title
FROM employees E
LEFT JOIN jobs J
ON J.job_id = E.job_id
WHERE E.department_id =
(SELECT D.department_id
FROM departments D
WHERE D.location_id =
(SELECT L.location_id
FROM locations L
WHERE L.city = 'London'));
```

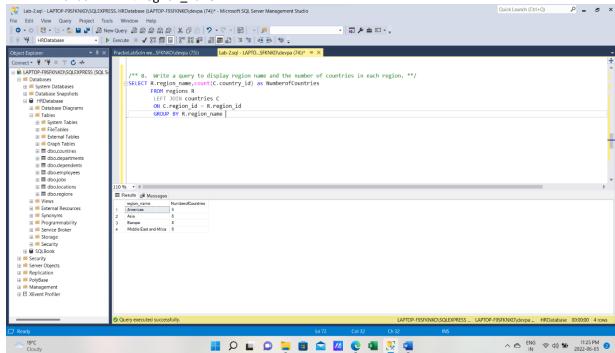


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**DAB-203** 

8. Write a query to display region name and the number of countries in each region.

```
SELECT R.region_name,count(C.country_id) as NumberofCountries
    FROM regions R
    LEFT JOIN countries C
ON C.region_id = R.region_id
    GROUP BY R.region_name
```

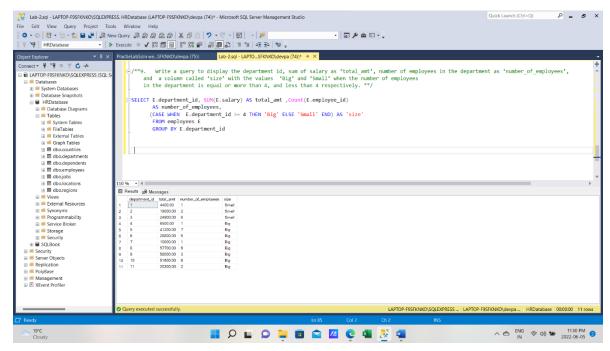


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**DAB-203** 

9. Write a query to display the department id, sum of salary as 'total\_amt', number of employees in the department as 'number\_of\_employees', and a column called 'size' with the values 'Big' and 'Small' when the number of employees in the department is equal or more than 4, and less than 4 respectively.

```
SELECT E.department_id, SUM(E.salary) AS total_amt
,Count(E.employee_id) AS number_of_employees,
(CASE WHEN E.department_id >= 4 THEN 'Big' ELSE 'Small' END) AS 'size'
    FROM employees E
    GROUP BY E.department_id
```



-----