Task Description:

Write a **single SQL query** that performs the following using the HR.EMPLOYEES and HR.DEPARTMENTS tables:

1. Join the tables on DEPARTMENT_ID.

2. For each **department**, calculate and return:

   o The **average salary** of employees (AVG(SALARY))

   o The **highest paid employee's name** and their salary

   o The **lowest paid employee's name** and their salary

3. Calculate the **potential cost increase** if all employees in the department were paid the **maximum salary** of that department. (Call this cost_increase)

4. Compute the **percentage increase** of this cost compared to the current total salary cost (cost_increase_percent)

5. Final output should include the following columns:

   o department_name

   o avg_salary

   o max_salary

   o min_salary

   o employee_name_with_max_salary

   o employee_name_with_min_salary

   o cost_increase

   o cost_increase_percent

Task Description:

Write a single SQL query that performs the following using the HR.EMPLOYEES, HR.JOBS, and HR.DEPARTMENTS tables:

1. Join the tables using the appropriate keys (job_id and department_id).

2. For each employee, return the following columns:

   o employee_id

   o first_name, last_name

   o job_id, job_title

- o   department_id, department_name
- o   salary
- o   The **minimum**, **maximum**, and **average salary** for that job_id across all departments.

3. Add a column called low_job_distribution:

- o   If a job_id appears in **only one department**, return 'YES'
- o   Otherwise, return 'NO'

4. Order the final result by salary in descending order.