SQL Analysis Project

Task 1:- Basic Analysis (Queries)

1. **What is the average salary for all the jobs in the dataset?**

   - SELECT AVG(salary) AS avg_salary FROM jobs;

2. **What is the highest salary in the dataset and Which job role does it correspond to?**

   - SELECT MAX(salary) AS highest_salary, job_title FROM jobs;

3. **What is the average salary for Data Scientist in US?**

   - SELECT AVG(salary) AS avg_salary FROM jobs
     WHERE job_title = "Data Scientist" AND company_location = "US";

4. **What is the number of jobs available for each job title?**

   - SELECT job_title, COUNT(*) AS num_jobs FROM jobs GROUP BY job_title;

5. **What is the total salary paid for all Data Analyst jobs in DE(Location)?**

   - SELECT SUM(salary) AS total_salary_paid FROM jobs
     WHERE job_title = "Data Analyst" AND company_location = "DE";

6. **What are the TOP 5 highest paying job titles and their corresponding average salaries?**

   - SELECT job_title, AVG(salary) AS avg_salary FROM jobs
     GROUP BY job_title
     ORDER BY avg_salary DESC LIMIT 5;

7. **What is the Number of jobs available in each location?**

   - SELECT company_location, COUNT(*) as no_of_jobs FROM jobs GROUP BY company_location;

8. **What are the TOP 3 job titles that have the most jobs available in dataset?**

   - SELECT job_title, COUNT(*) as no_of_jobs FROM jobs
     GROUP BY job_title
     ORDER BY no_of_jobs DESC
     LIMIT 3;

9. **What is the average salary for Data Engineers in US?**

   - SELECT AVG(salary) AS avg_salary, job_title FROM jobs
     WHERE job_title = "Data Engineer" AND company_location = "US";

10. **What are the TOP 5 cities with the highest average salaries?**

    - SELECT company_location, AVG(salary) AS avg_salary FROM jobs
      GROUP BY company_location
      ORDER BY avg_salary DESC
      LIMIT 5;