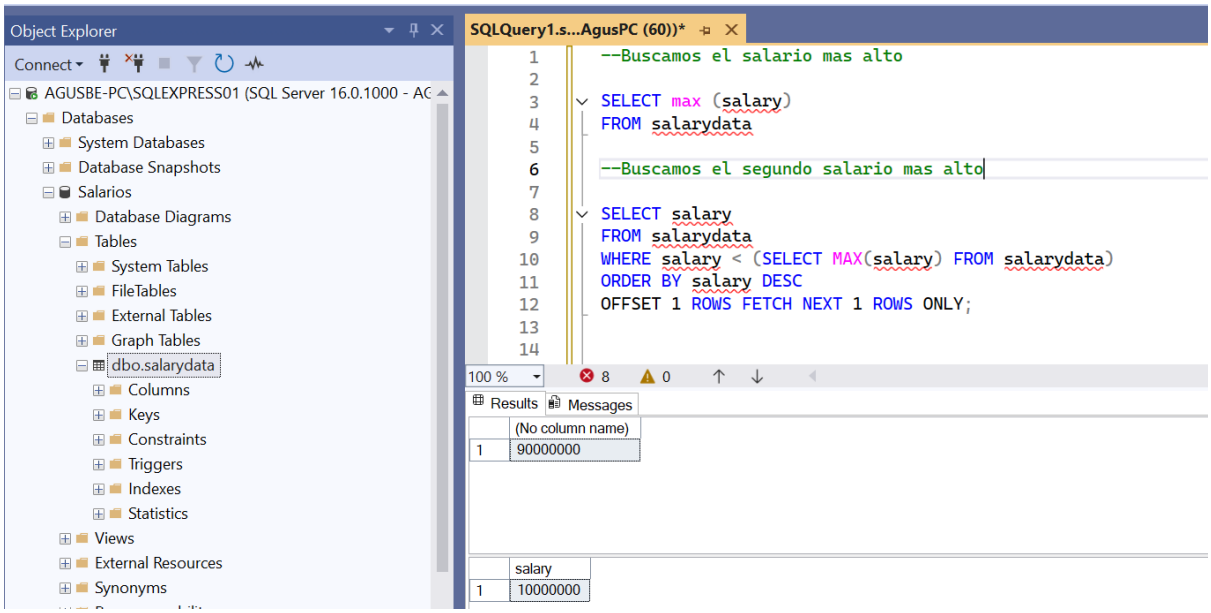
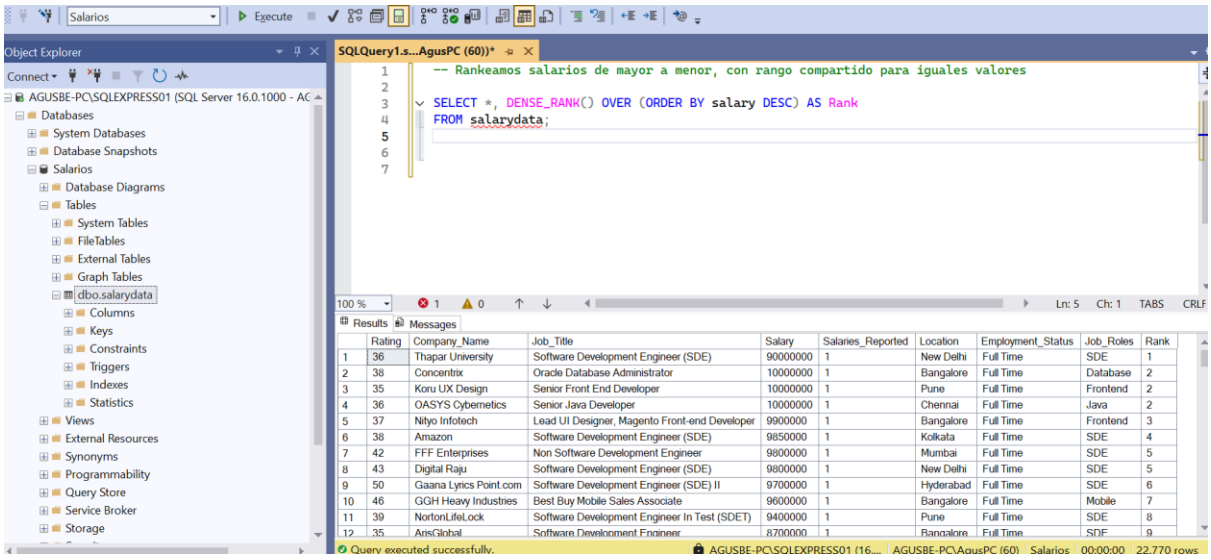
These are some real-life challenges that can be solved using SQL. Some examples at some common issues utilizing Microsoft SQL Suite and Software Salaries dataset are provided in the following PDF

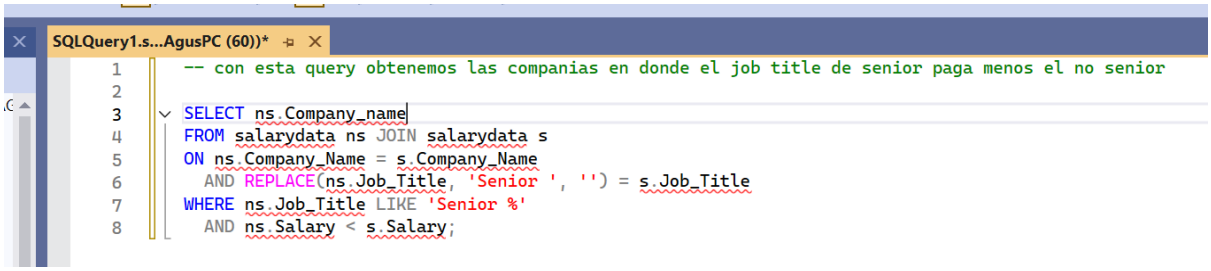
1) Buscar el salario máximo, o el Nth salario que deseemos



2) Elaborar un ranking de salarios de los distintos empleados



3) Encontrar las empresas en donde el title de senior paga menos que el de no senior usando SelfJoin



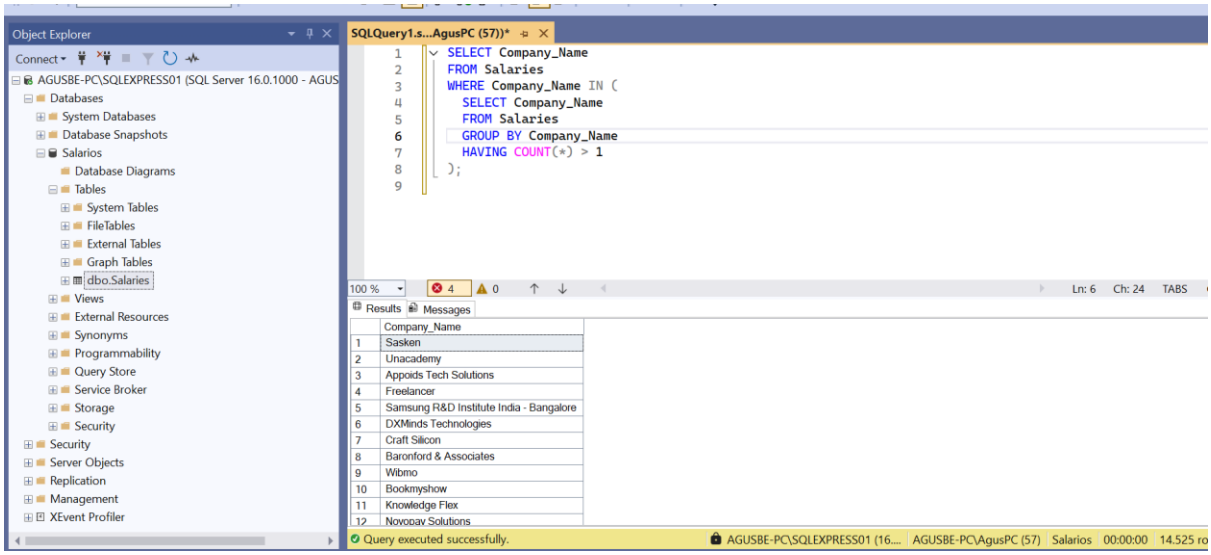
Basado en el ejemplo de una tabla en donde comparamos salarios del manager con sus empleados, hay dos opciones para realizar la misma query

```
SELECT E.NAME

FROM EMPLOYEE E

JOIN EMPLOYEE M ON E.MANAGERID = M.ID

WHERE E.SALARY > M.SALARY;
```

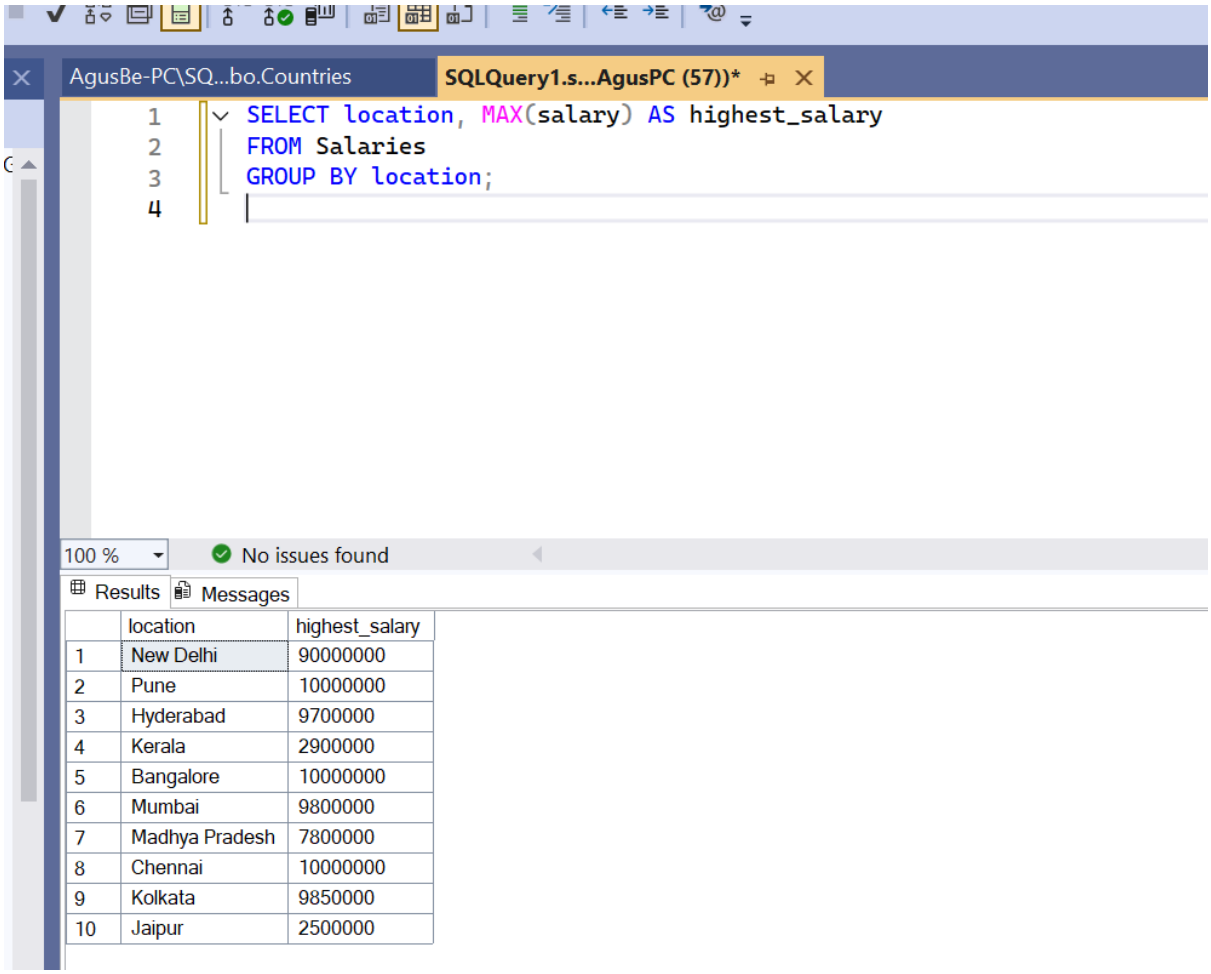
O usando CTEs

```
WITH SALARY_EMPLOYEE AS (

  SELECT ID, NAME, SALARY, MANAGERID

  FROM EMPLOYEE),

SALARY_MANAGER AS (

  SELECT ID, SALARY

  FROM EMPLOYEE)

SELECT E.NAME, E.SALARY, M.SALARY AS MANAGER_SALARY

FROM SALARY_EMPLOYEE E JOIN SALARY_MANAGER M ON E.MANAGERID = M.ID

WHERE E.SALARY > M.SALARY;
```

4) HACER UN LISTADO DE COMPAÑIAS EN DONDE NO EXISTAN DUPLICADOS

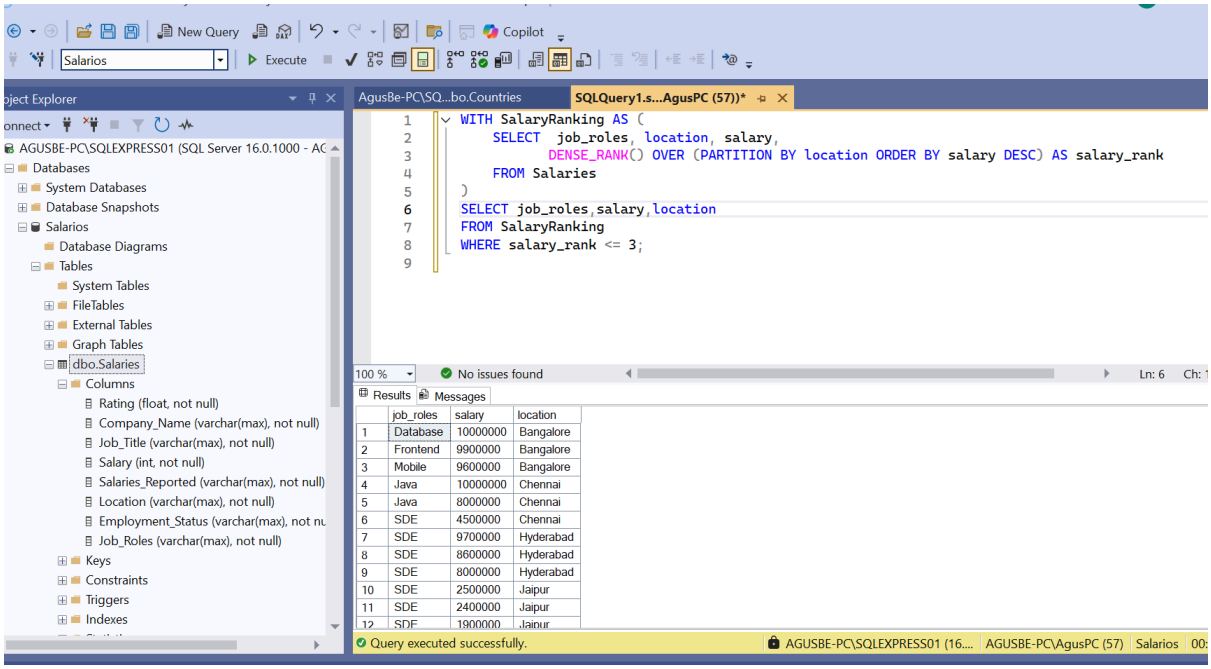


5) Salario mas alto por locación



	location	highest_salary
1	New Delhi	90000000
2	Pune	10000000
3	Hyderabad	9700000
4	Kerala	2900000
5	Bangalore	10000000
6	Mumbai	9800000
7	Madhya Pradesh	7800000
8	Chennai	10000000
9	Kolkata	9850000
10	Jaipur	2500000

6) Los 3 salarios mas altos por locación y su respectivo rol de trabajo

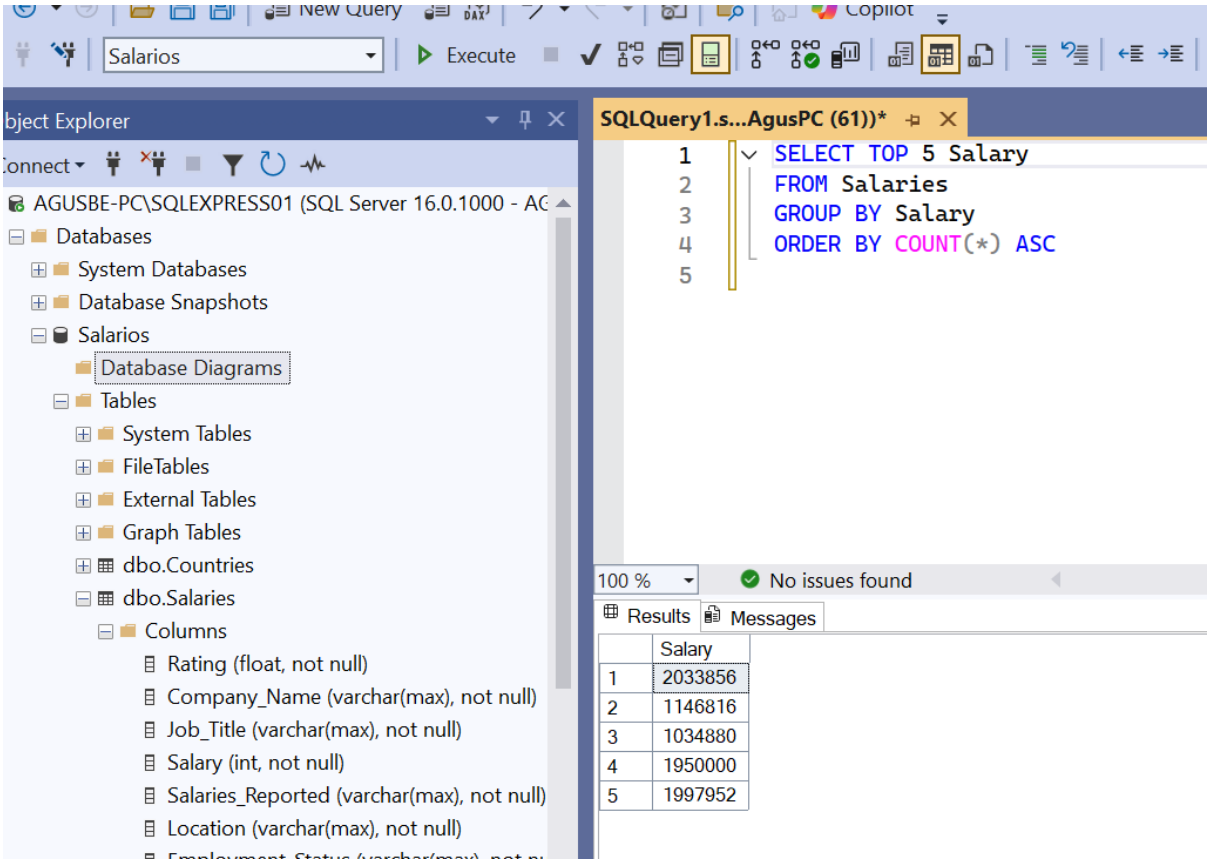


7) Eliminar filas en donde las posiciones solo sean Intern

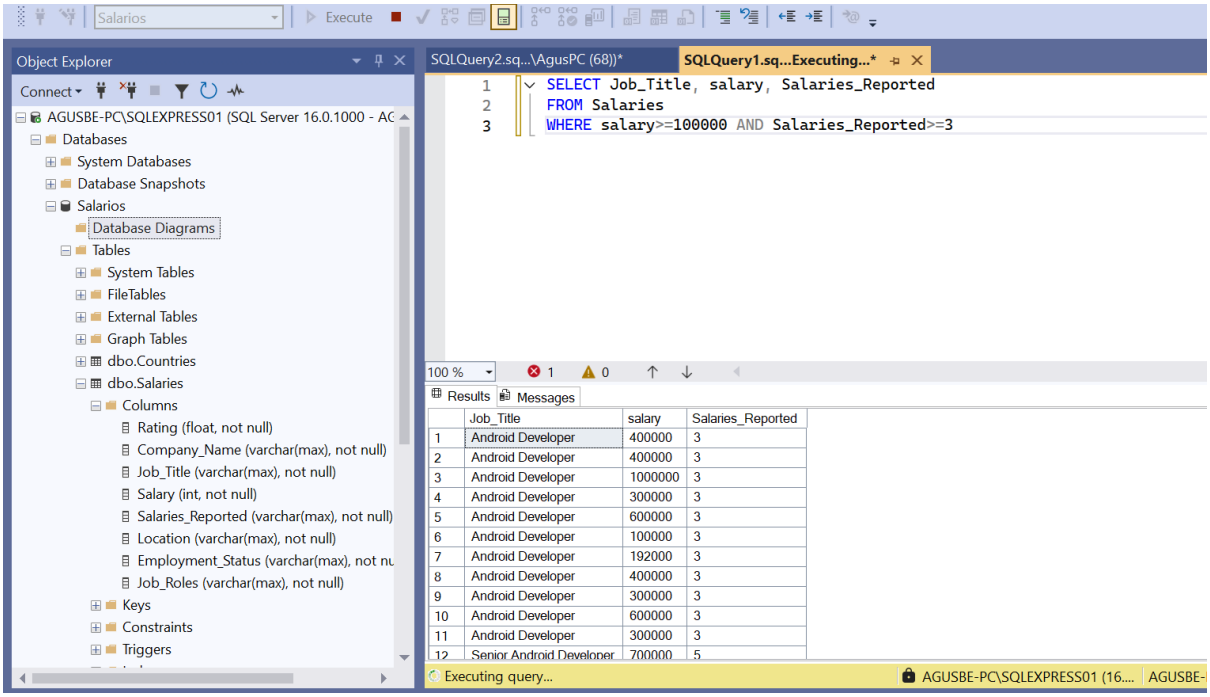
DELETE FROM Salaries

WHERE Employment_status = Intern

8) TOP 5 salaries



9) Select BIG salaries



10) Finding most commons job title that appears at least 20 times