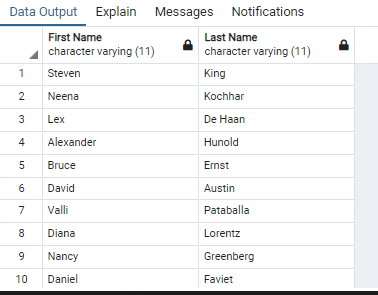
**Final SQL Project - Employees**

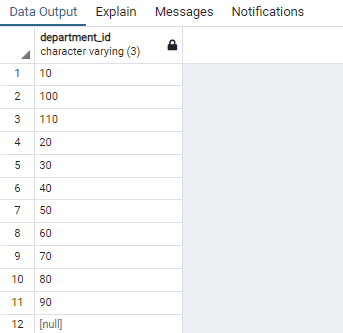
---1. Write a query to display the names (first\_name, last\_name) using alias name “First Name", "Last Name"

select first\_name as "First Name" , last\_name as "Last Name" from public.employees ;



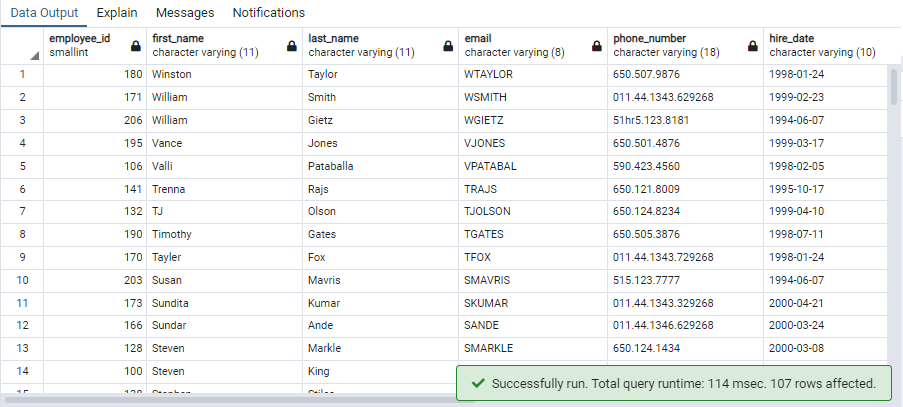
------ 2. Write a query to get unique department ID from employee table

select distinct department\_id from public.employees order by department\_id;



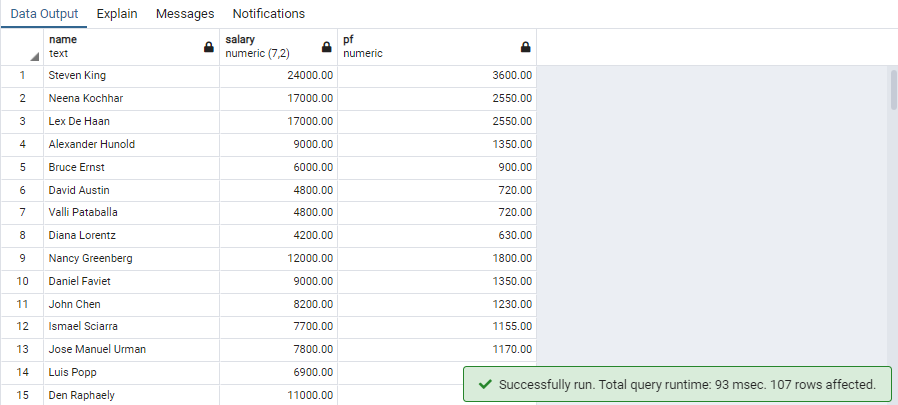
-------3. Write a query to get all employee details from the employee table order by first name, descending

select \* from public.employees order by first\_name desc;



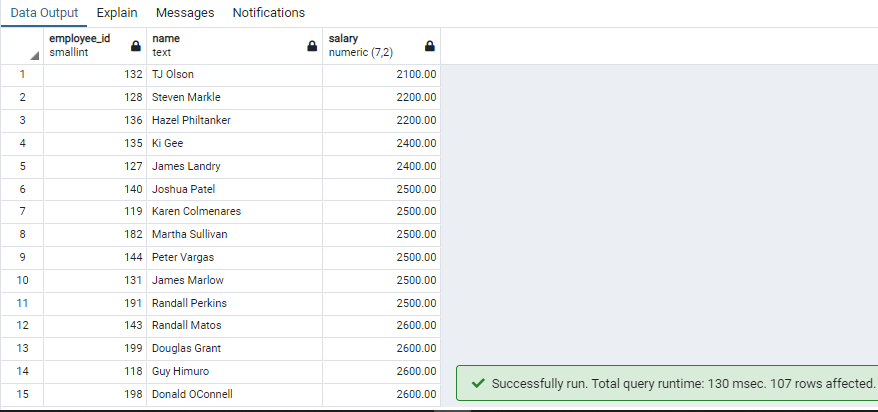
------4. Write a query to get the names (first\_name, last\_name), salary, PF of all the employees (PF is calculated as 15% of salary)

select concat(first\_name,' ', last\_name) as Name , salary , round((15\*salary)/100,2) as PF from public.employees ;



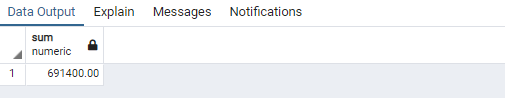
---5. Write a query to get the employee ID, names (first\_name, last\_name), salary in ascending order of salary

select employee\_id , concat(first\_name,' ', last\_name) as Name , salary from public.employees order by salary asc;



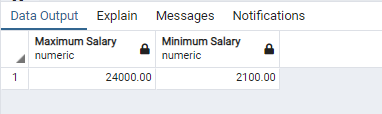
----6. Write a query to get the total salaries payable to employees

select sum(salary) from public.employees ;



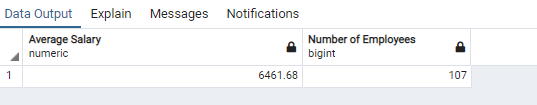
---7. Write a query to get the maximum and minimum salary from employees table

select max(salary) as "Maximum Salary" , min(salary) as "Minimum Salary" from public.employees;



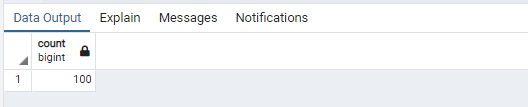
-----8. Write a query to get the average salary and number of employees in the employees table

select round(avg(salary),2) as "Average Salary" , count(employee\_id) as "Number of Employees" from public.employees;



-----9. Write a query to get the number of employees working with the company

select count(\*) from public.employees where employee\_id not in (select distinct(employee\_id) from public.job\_history);



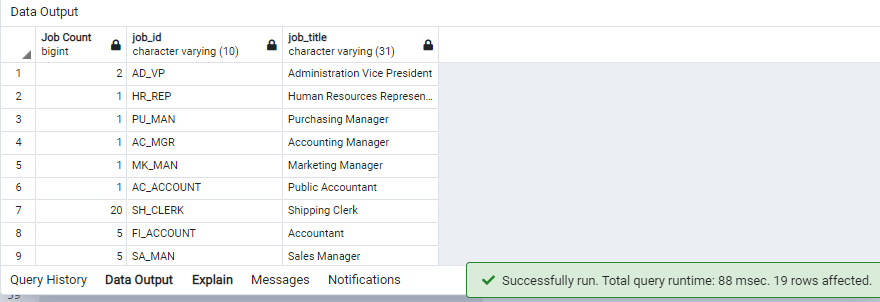
-----10. Write a query to get the number of jobs available in the employees table

select count(public.employees.job\_id) as "Job Count" ,public.employees.job\_id ,job\_title from public.employees

inner join public.jobs

on public.employees.job\_id =public.jobs.job\_id

group by public.employees.job\_id , public.jobs.job\_title;



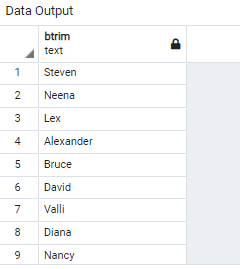
------11. Write a query get all first name from employees table in upper case

select Upper(first\_name) from public.employees ;



----12. Write a query to get first name from employees table after removing white spaces from both side

select trim(from first\_name) from public.employees ;



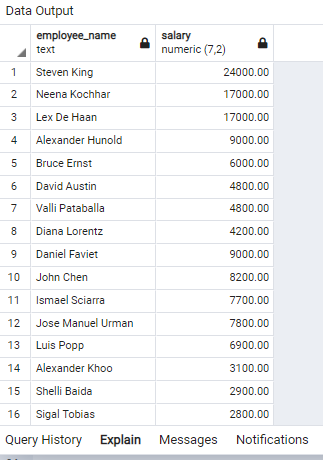
-----13. Write a query to get the length of the employee names (first\_name, last\_name) from employees table

select length(concat(first\_name,last\_name )) , concat(first\_name,last\_name ) as Employee\_name from public.employees ;



-----14. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000

select concat(first\_name , ' ', last\_name) as Employee\_Name , salary from public.employees where salary not between 10000 and 15000;



-----15. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100

select concat(first\_name , ' ', last\_name) as Employee\_Name , department\_id, salary from public.employees where public.employees.department\_id = '30' or department\_id='100' and salary not between 10000 and 15000 ;

