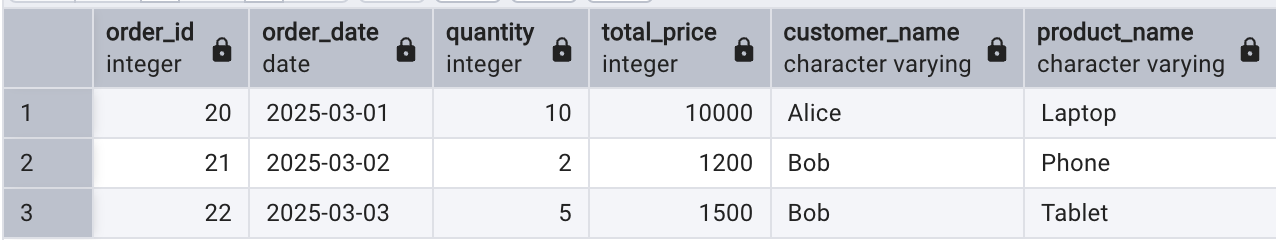
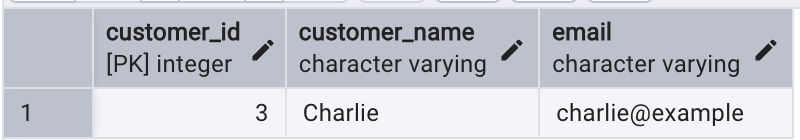
Tasks:

1. Inner Join: Write a query to retrieve the details of all orders along with the customer

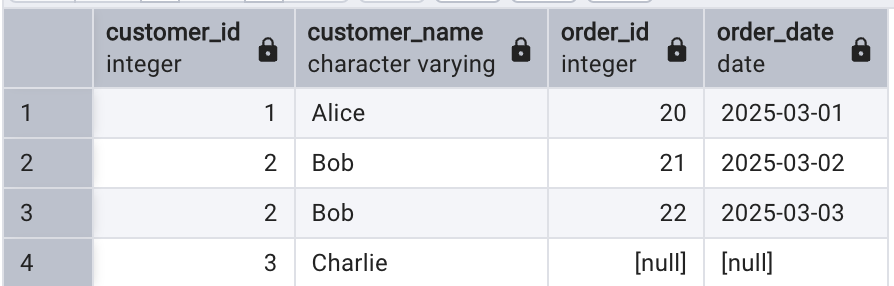
names and product names. The output should include order\_id, customer\_name, product\_name, order\_date, quantity, and total\_price.



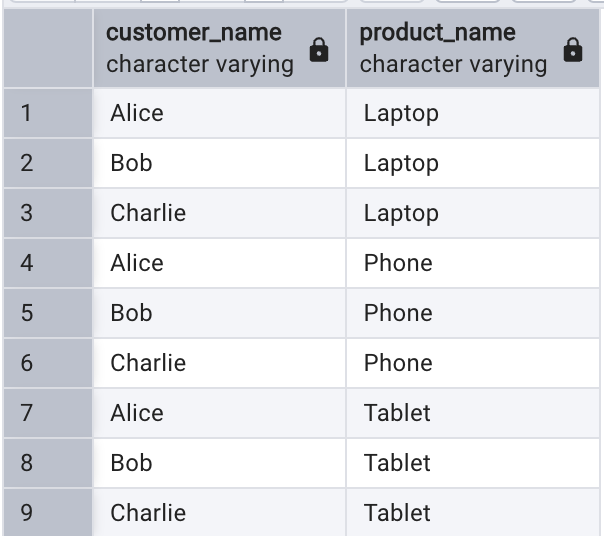
1. Left Join: Write a query to find all customers who have not placed any orders. The output should include customer\_id, customer\_name, and email.



1. Full Outer Join: Write a query to retrieve all customers and all orders, including those customers who have not placed any orders and those orders that do not have a corresponding customer. The output should include customer\_id, customer\_name, order\_id, and order\_date.

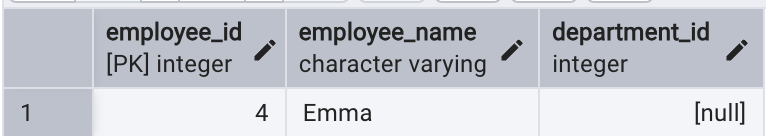


1. Cross Join: Write a query to generate a report that shows all possible combinations of customers and products. The output should include customer\_name and product\_name.

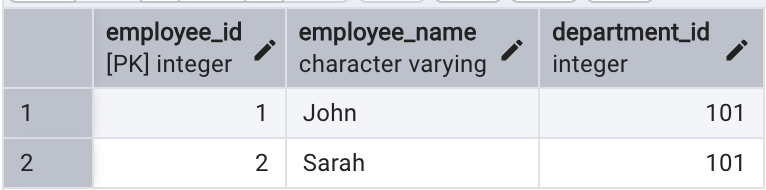


Tasks:

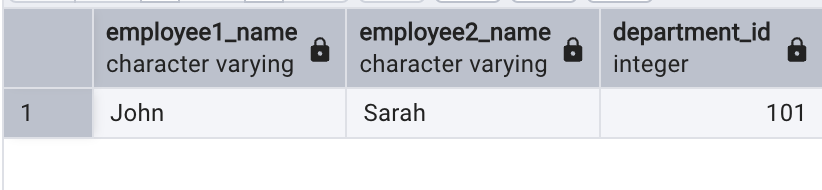
1. Anti-Join: Write a query to find all employees who have not been assigned to any project. The output should include employee\_id, employee\_name, and department\_id.



1. Semi-Join: Write a query to retrieve the details of all employees who have been assigned to at least one project. The output should include employee\_id, employee\_name, and department\_id.



1. Self-Join: Write a query to find pairs of employees who work in the same department. The output should include employee1\_name, employee2\_name, and department\_id.



1. Natural Join: Write a query to retrieve the details of all projects along with the employee names using a natural join. The output should include project\_id, project\_name, employee\_name, start\_date, and end\_date.

