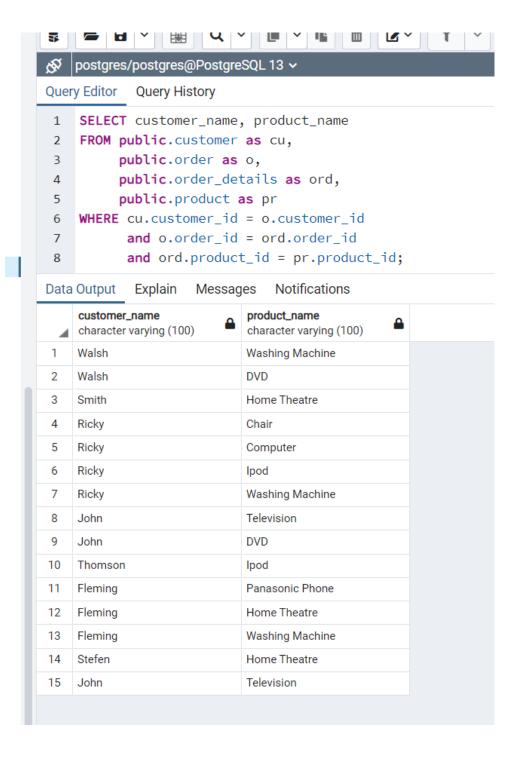
1) Fetch **all the** Customer Details along with the product names that the customer has ordered.

```
SELECT customer_name, product_name
FROM public.customer as cu,
    public.order as o,
    public.order_details as ord,
    public.product as pr
WHERE cu.customer_id = o.customer_id
    and o.order_id = ord.order_id
    and ord.product_id = pr.product_id;
```



2) Fetch Order\_Id, Ordered\_Date, Total Price of the order (product price\*qty).

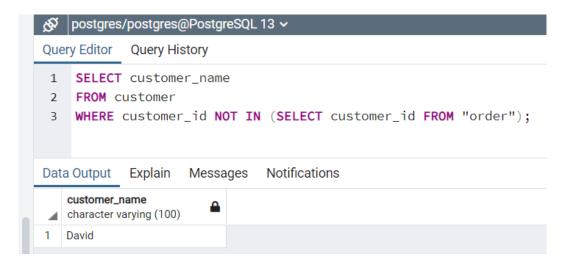
```
Query Editor
             Query History
     SELECT o.order_id, order_date, quantity * product_price as total
 2
     FROM order_details as ord,
 3
           product as pro,
 4
           "order" as o,
 5
           customer as cu
 6
    WHERE ord.product_id = pro.product_id
            and o.order_id = ord.order_id
 7
            and cu.customer_id = o.customer_id
 8
 9
    GROUP BY o.order_id,total;
                     Messages
Data Output
           Explain
                                  Notifications
    order_id
                    order_date
                                  total
    [PK] integer
                    date
                                  integer
                 9 2005-01-13
1
                                       58050
2
                 6 2006-12-13
                                       3210
3
                 3 2005-03-20
                                       12840
                 8 2004-11-29
4
                                        7600
5
                 5 2007-04-05
                                       3600
                 1 2005-01-10
                                       10800
6
7
                 2 2006-02-10
                                       38700
8
                 1 2005-01-10
                                       7600
9
                 3 2005-03-20
                                       71800
                                        3600
10
                 3 2005-03-20
11
                 4 2006-03-10
                                       7600
12
                 8 2004-11-29
                                       38700
                 5 2007-04-05
                                       38000
13
                10 2007-12-12
14
                                       19000
                 7 2008-03-13
                                        2100
15
```

3) Fetch the Customer Name, who has not placed any order.

SELECT customer\_name

**FROM** customer

WHERE customer\_id NOT IN (SELECT customer\_id FROM "order");

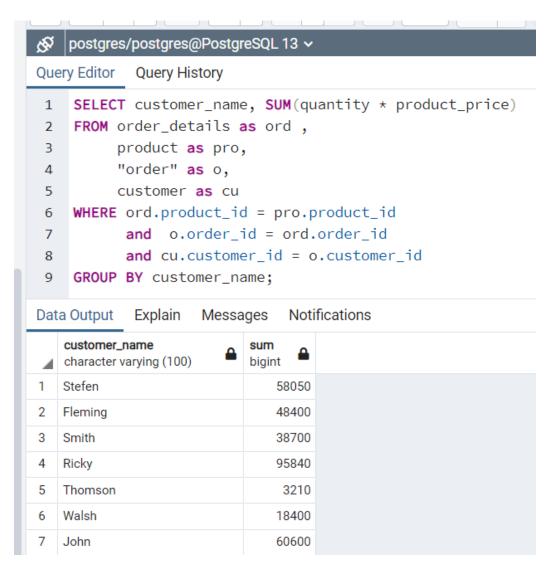


4) Fetch the Product Details without any order(purchase).

SELECT product\_name , product\_price
FROM public.product as pro, public.order\_details as ord
WHERE pro.product\_id NOT IN (SELECT product\_id FROM public.order\_details)
GROUP BY product\_name , product\_price;



5) Fetch the Customer name along with the total Purchase Amount.

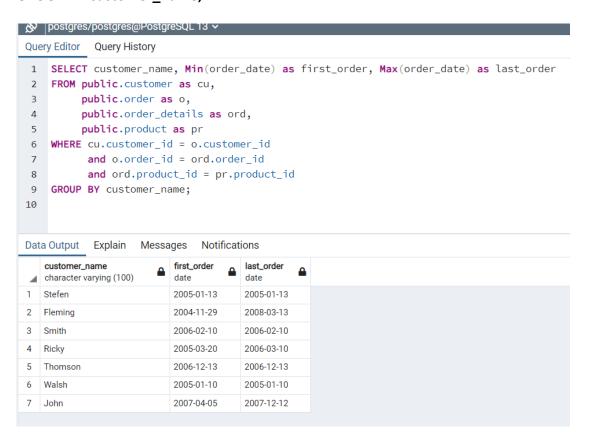


6) Fetch the Customer details, who has placed the first and last order.

```
SELECT customer_name, Min(order_date) as first_order, Max(order_date) as last_order
FROM public.customer as cu,
    public.order as o,
    public.order_details as ord,
    public.product as pr

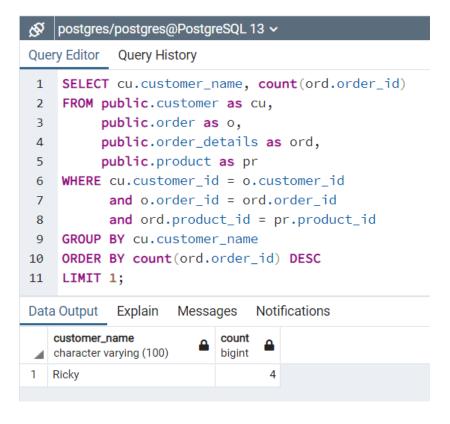
WHERE cu.customer_id = o.customer_id
    and o.order_id = ord.order_id
    and ord.product_id = pr.product_id

GROUP BY customer_name;
```



7) Fetch the customer details, who has placed more number of orders.

```
SELECT cu.customer_name, count(ord.order_id)
FROM public.customer as cu,
    public.order as o,
    public.order_details as ord,
    public.product as pr
WHERE cu.customer_id = o.customer_id
    and o.order_id = ord.order_id
    and ord.product_id = pr.product_id
GROUP BY cu.customer_name
ORDER BY count(ord.order_id) DESC
LIMIT 1;
```



- 8) Fetch the customer details, who has placed multiple orders in the same year.
- 9) Fetch the name of the month, in which more number of orders has been placed.
- 10) Fetch the maximum priced Ordered Product.

