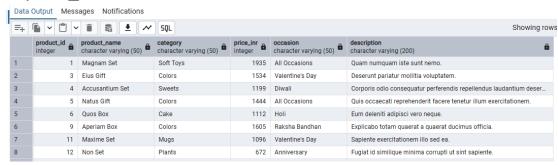
1. Retrieve all products with a price greater than 500 INR.

SELECT \*
FROM
product
WHERE
price\_inr >= 500



2. Find all orders placed on or after '2023-01-01'.

SELECT \*
FROM
orders
WHERE
order\_date >= '2023-01-01'



3. List all customers who are from 'Kolkata'.

SELECT \*
FROM

customers

WHERE

city = 'Kolkata'



4. Show the order id, customer name, and order date for all orders.

**SELECT** 

C.customer id, c.name AS customer name, o.order date

**FROM** 

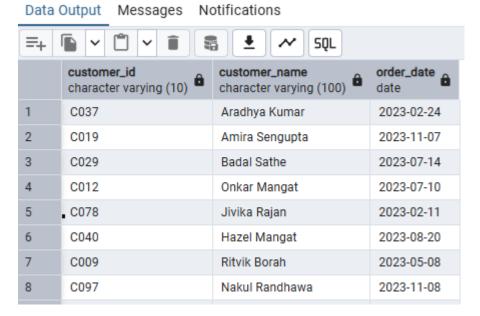
customers AS c

**INNER JOIN** 

orders AS o

ON

c.customer\_id = o.customer\_id



5. List all product name and the customer's name who ordered them.

**SELECT** 

c.customer\_id, c.name AS customer\_name, p.product\_name

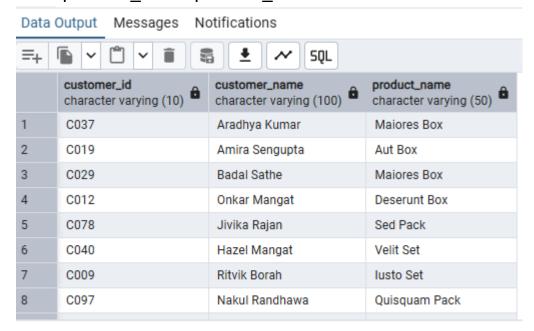
FROM customers AS c

JOIN orders AS o

ON c.customer\_id = o.customer\_id

JOIN product AS p

ON P.product\_id = o.product\_id



6. Display the customer's name, product name, quantity ordered, and item price for each item in every order.

SELECT C.name AS customer\_name, P.product\_name, p.price\_inr, o.quantity
FROM customers AS c

JOIN orderS AS o
ON c.customer\_id = o.customer\_id

JOIN product AS p
ON p.product id = o.product id

Data Output Messages Notifications				
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	customer_name character varying (100)	product_name character varying (50)	price_inr integer	quantity integer
21	Drishya De	Fuga Set	1792	1
22	Umang Ahuja	Quisquam Pack	750	1
23	Rati Dhingra	Non Set	672	3
24	Eva Vaidya	Expedita Gift	1744	3
25	Adira Rajan	Recusandae Pack	751	3
26	Hazel Mangat	Quos Box	1112	3
27	Arhaan Ahluwalia	Aperiam Box	1605	2
28	Shalv Kulkarni	Expedita Gift	1744	3

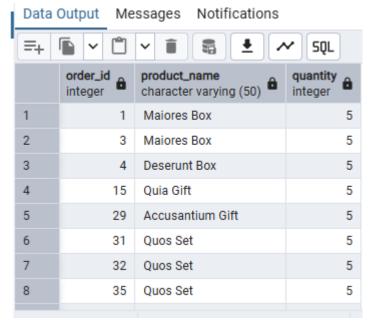
7. Get the order\_id, product\_name, and quantity for orders where the quantity ordered for a single product in that order is more than 5.

SELECT o.order\_id, p.product\_name, o.quantity
FROM orders AS o

JOIN product AS p

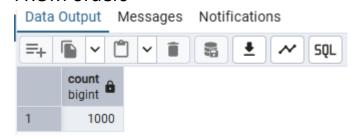
ON o.product\_id = p.product\_id

WHERE o.quantity >= 5



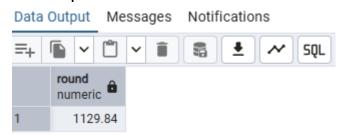
8. Calculate the total number of orders placed.

SELECT COUNT(order\_id) AS total\_order FROM orders



9. Find the average price of all products.

SELECT ROUND(AVG(price\_inr),2) FROM product



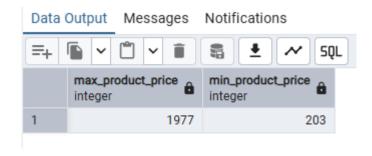
10. Determine the total revenue generated from all orders.

SELECT p.product\_name, ( o.quantity \* p.price\_inr ) AS Total\_revenue, COUNT(o.product\_id) AS Total\_customer\_order FROM orders AS o JOIN product AS p ON o.product\_id = p.product\_id GROUP BY p.product\_name, total\_revenue ORDER by Total\_revenue DESC

Data Output Messages Notifications				
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	product_name character varying (50)	total_revenue integer	total_customer_order bigint	
1	Aut Box	9885	4	
2	Magnam Set	9675	4	
3	Provident Pack	9615	3	
4	Deserunt Box	9575	6	
5	Dolores Gift	9520	4	
6	Delectus Gift	9495	2	
7	Error Gift	9475	2	
8	Nostrum Box	9390	2	

11. What is the MIN and MAX price among all products?

SELECT MAX(price\_inr) AS MAX\_product\_price,
MIN(price\_inr) AS MIN\_product\_price
FROM product



12. Count the number of orders placed by each customer. SELECT COUNT(o.customer\_id), C.name AS customer\_name, SUM(quantity) AS Total\_quantity\_order FROM orders AS o JOIN customers AS c ON o.customer\_id = c.customer\_id GROUP BY c.name ORDER BY Total\_quantity\_order DESC

Data Output Messages Notifications			
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	count bigint	customer_name character varying (100)	total_quantity_order bigint
1	17	Seher Mann	61
2	16	Veer Ray	55
3	16	Samaira Ganesh	54
4	15	Divit Mahajan	50
5	. 17	Ranbir Loyal	50
6	13	Rati Dhingra	45
7	14	Aaryahi Sodhi	45
8	14	Jhanvi Chowdhury	44

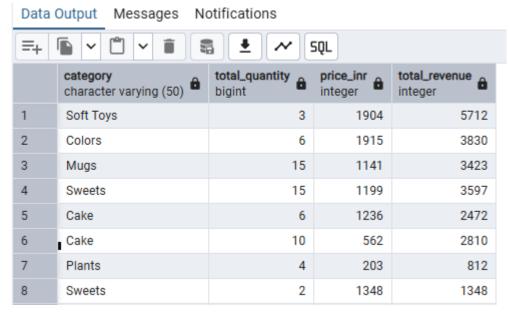
13. Calculate the total quantity sold for each product category.

SELECT p.category, SUM(O.Quantity) AS total\_quantity, p.price\_inr, (o.quantity \* p.price\_inr) AS Total\_revenue FROM product AS p

JOIN orders AS o

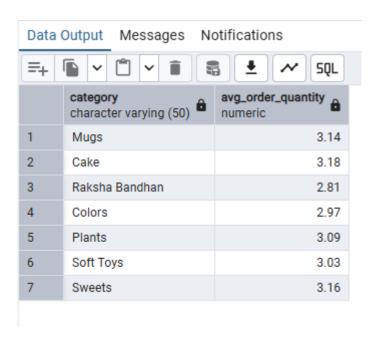
ON p.product id = o.product id

GROUP BY category, Total\_revenue, p.price\_inr



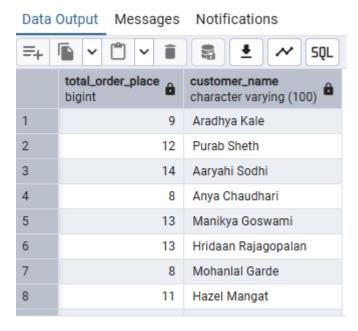
14. Find the average order\_quantity for products in each category.

SELECT p.category, ROUND(AVG(o.quantity), 2) AS Avg\_order\_quantity
FROM product AS p
JOIN orders AS o
ON p.product\_id = o.product\_id
GROUP BY p.category



15. List customer\_name who have placed more than 7 orders.

SELECT COUNT(o.customer\_id) AS Total\_Order\_place, c.name AS customer\_name
FROM orders AS o
JOIN customers AS c
ON o.customer\_id = c.customer\_id
GROUP BY c.customer\_id
HAVING COUNT(o.customer\_id) >= 7;



16. Show product category that have a total revenue greater than 400000

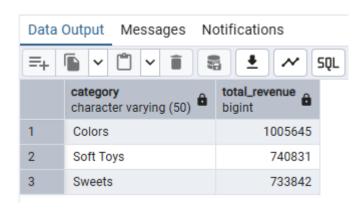
SELECT p.category, SUM(o.quantity \* p.price\_inr ) AS Total\_revenue FROM product AS p

JOIN orders AS o

ON p.product\_id = o.product\_id

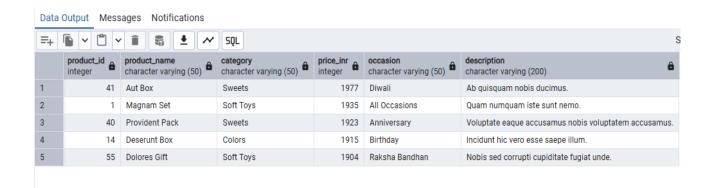
GROUP BY p.category

HAVING SUM(o.quantity \* p.price inr ) > 400000



17. Retrieve the top 5 most expensive products.

SELECT \*
FROM product
ORDER BY price\_inr DESC
LIMIT 5



18. List the customers and their total number of orders, ordered from most to fewest orders.

SELECT c.name AS customer\_name, COUNT(o.customer\_id) AS No\_of\_order\_place
FROM customers AS c
JOIN orders AS o
ON c.customer\_id = o.customer\_id
GROUP BY c.name
ORDER BY No\_of\_order\_place ASC
LIMIT 5

Data Output Messages Notifications			
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	customer_name character varying (100)	no_of_order_place bigint	
1	Kavya Reddy	3	
2	Hiran Kaul	4	
3	Tara Krishnan	5	
4	Ivana Amble	5	
5	Bhamini Johal	6	

19. Find the customer\_name and their total amount spent for customers who have spent more than 5000, ordered by the total amount spent in descending order.

#### **SELECT**

```
o.customer_id, c.name AS customer_name,
(p.price_inr * o.quantity) AS total_revenue
```

FROM orders AS O

JOIN customers AS c

ON o.customer id = c.customer id

JOIN product AS p

ON o.product\_id = p.product\_id

WHERE (p.price\_inr \* o.quantity) > 5000

ORDER BY total revenue ASC

Data Output Messages Notifications			
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	customer_id character varying (10)	customer_name character varying (100)	total_revenue integer
1	C019	Amira Sengupta	5008
2	C070	Emir Gokhale	5008
3	C045	Divit Mahajan	5008
4	C045	Divit Mahajan	5016
5	C099	Ranbir Loyal	5016
6	C025	Ira Bava	5088
7	C100	Pranay Chaudhary	5088
8	C004	Tarini Bava	5088

#### Table

```
CREATE TABLE customers (
  Customer ID VARCHAR(10) PRIMARY KEY,
  Name VARCHAR(100) NOT NULL,
  City VARCHAR(50),
  Contact Number BIGINT,
  Email VARCHAR(100),
  Gender VARCHAR(10),
  Address TEXT
);
CREATE TABLE product (
  Product ID INT,
  Product_Name VARCHAR(50),
  Category VARCHAR(50),
  Price INR INT, -- Fixed column name
  Occasion VARCHAR(50),
  Description VARCHAR(200)
);
```

```
CREATE TABLE orders(
Order_ID INT,
Customer_ID VARCHAR(10),
Product_ID INT,
Quantity INT,
Order_Date DATE,
Order_Time TIME,
Delivery_Date DATE,
Delivery_Time TIME,
Location VARCHAR(50),
Occasion VARCHAR(50)
```