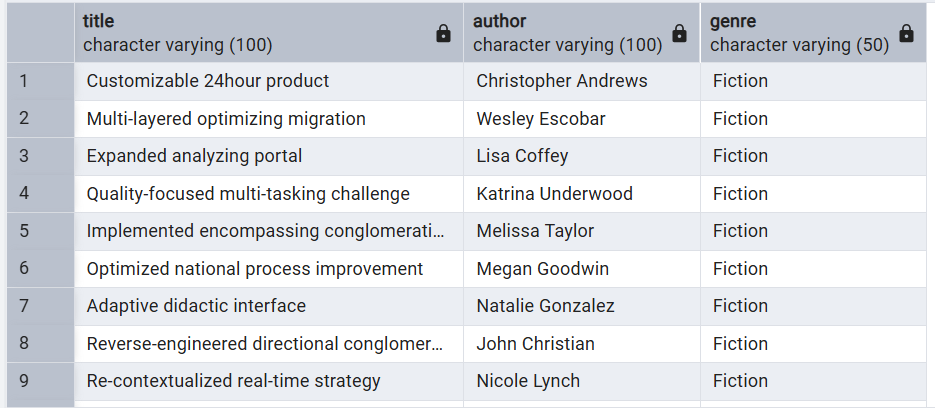
# **BOOKS SALES QUERIES(P1)**

* **BASIC QUERIES :**

**1). Retrieve all books in the "Fiction" genre ?**

SELECT title,Author,genre FROM Books

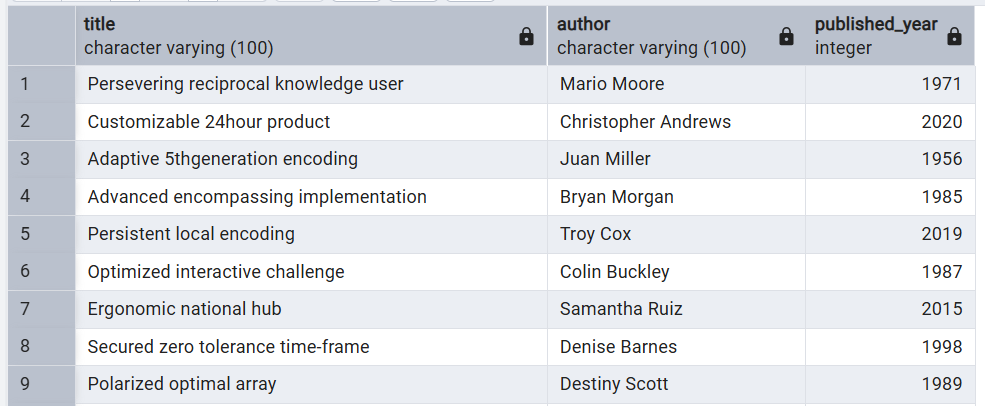
where Genre='Fiction';



**2). Find books published after the year 1950 ?**

SELECT title,author,published\_year FROM Books

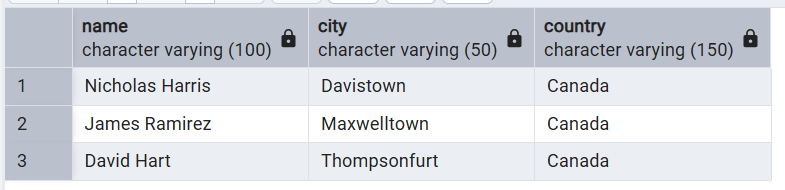
where published\_year>1950;



**3). List all customers from the Canada ?**

SELECT name,city,country FROM Customers

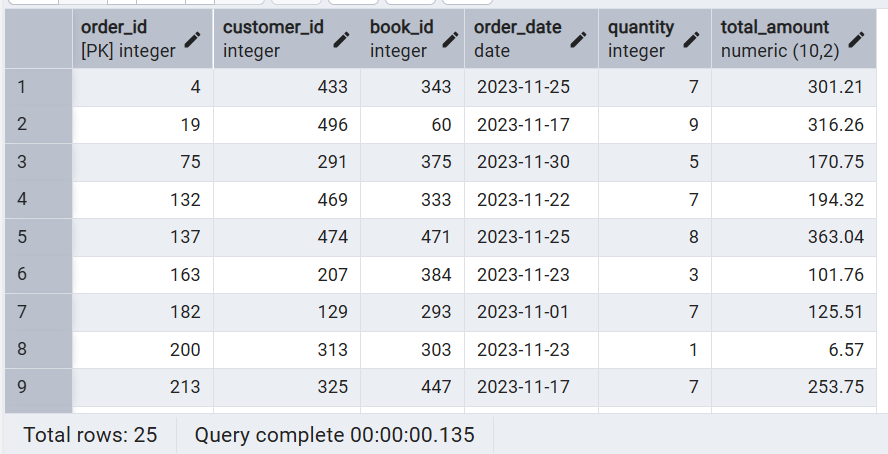
where country='Canada';



**4). Show orders placed in November 2023 ?**

SELECT \* FROM Orders

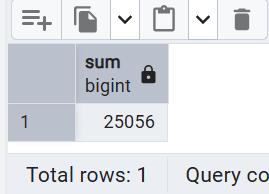
where order\_date between '2023-11-01' AND '2023-11-30';



**5). Retrieve the total stock of books available ?**

SELECT sum(stock)

from Books;

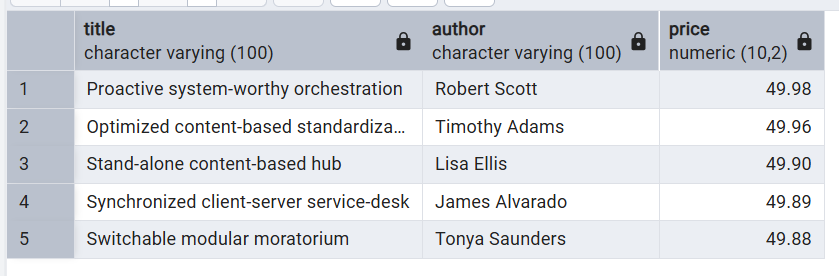
1

**6). Find the details of the most expensive book ?**

SELECT title,author,price FROM Books

order by price desc

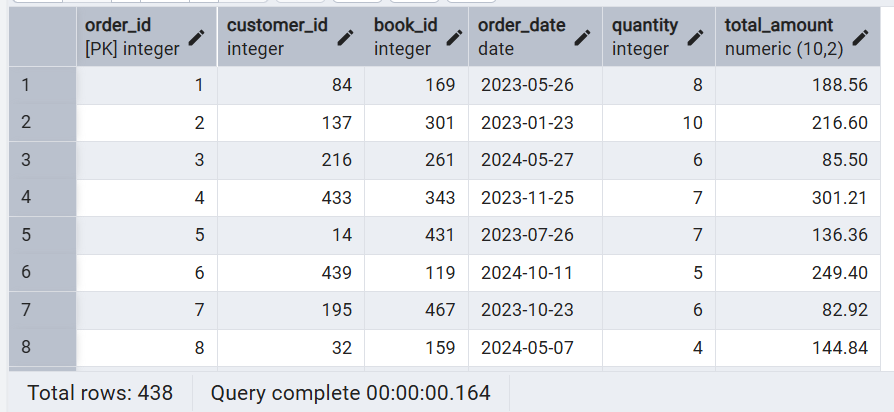
limit 5;



**7). Show all customers who ordered more than 1 quantity of a book ?**

SELECT \* FROM Orders

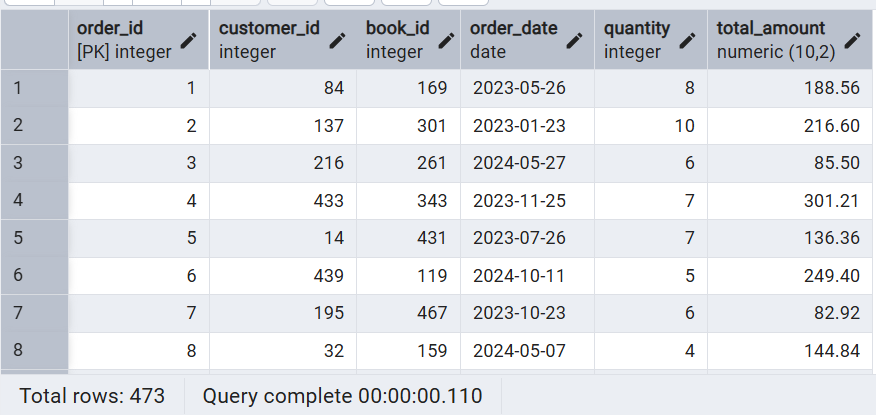
where quantity>1;



**8). Retrieve all orders where the total amount exceeds $20?**

SELECT \* FROM Orders

where total\_amount>20;



**9). List all genres available in the Books table ?**

SELECT distinct genre FROM Books;

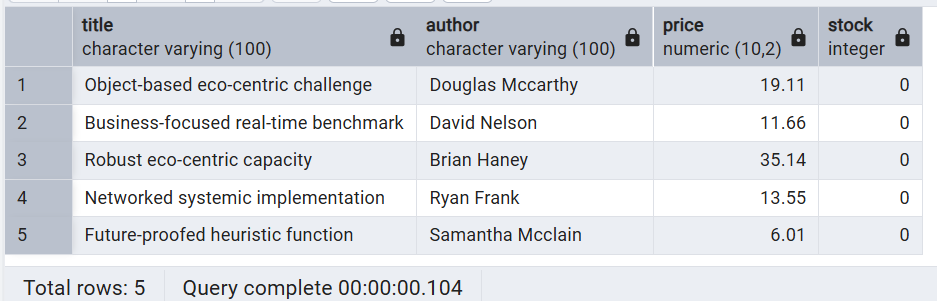


**10). Find the book with the lowest stock ?**

SELECT title,author,price,stock FROM Books

order by stock asc

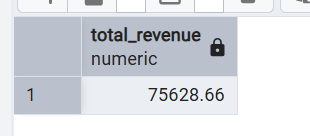
limit 5;



**11). Calculate the total revenue generated from all orders ?**

SELECT sum(total\_amount) as total\_Revenue

FROM Orders;



SELECT \* FROM Books;

SELECT \* FROM Customers;

SELECT \* FROM Orders;

* **Advance Questions :**

**1). Retrieve the total number of books sold for each genre ?**

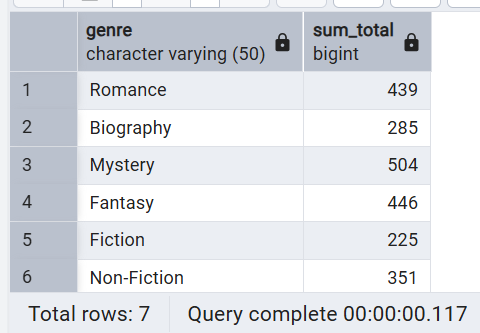
select b.genre,sum(o.quantity) as Sum\_Total

from Orders O

join

Books B on b.book\_id=o.book\_id

group by b.genre;

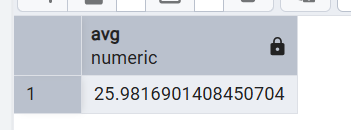


**2). Find the average price of books in the "Fantasy" genre ?**

select avg(price)

from books

where genre='Fantasy';



**3). List customers who have placed at least 2 orders ?**

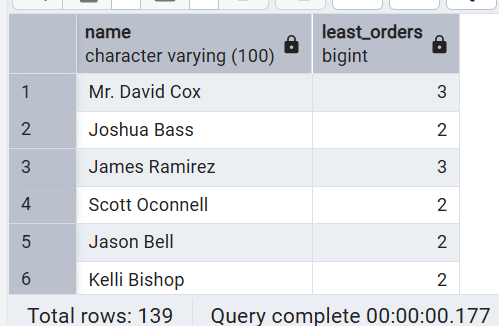
select c.name,count(o.customer\_id) as least\_orders

from customers c

join orders o on c.customer\_id=o.customer\_id

group by c.name

having count(o.customer\_id)>=2;



**4). Find the most frequently ordered book ?**

select o.book\_id,b.title,count(o.order\_id) as most\_ordered\_book

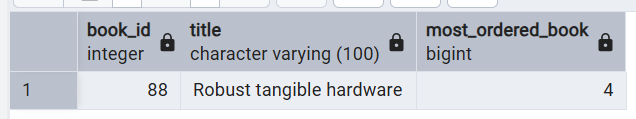
from books b

join orders o on b.book\_id=o.book\_id

group by o.book\_id,b.title

order by most\_ordered\_book desc

limit 1;



**5). Show the top 3 most expensive books of 'Fantasy' Genre ?**

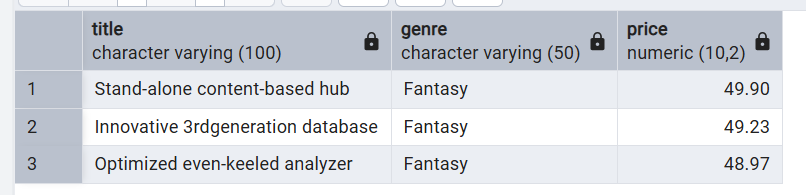
select title,genre,price

from books

where genre='Fantasy'

order by price desc

limit 3;



**6). Retrieve the total quantity of books sold by each author ?**

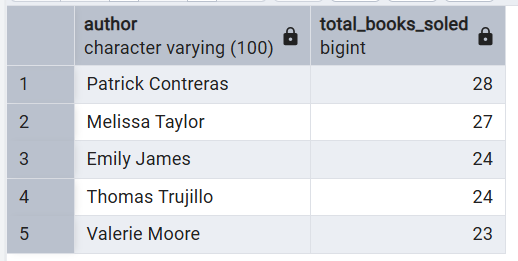
select b.author,sum(o.quantity) as total\_books\_soled

from books b join orders o on b.book\_id=o.book\_id

group by b.author

order by total\_books\_soled desc

limit 5;



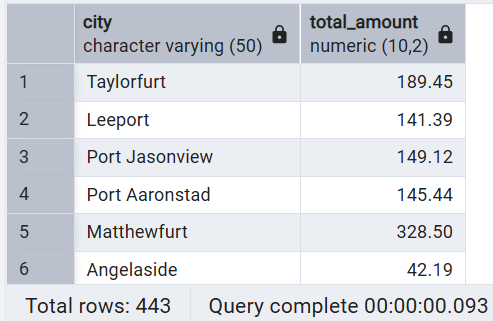
**7). List the cities where customers who spent over $30 are located ?**

select distinct c.city,o.total\_amount

from customers c

join orders o on c.customer\_id=o.customer\_id

where o.total\_amount>30;



**8). Find the customer who spent the most on orders ?**

select c.name,sum(o.total\_amount) as sum\_of\_spend

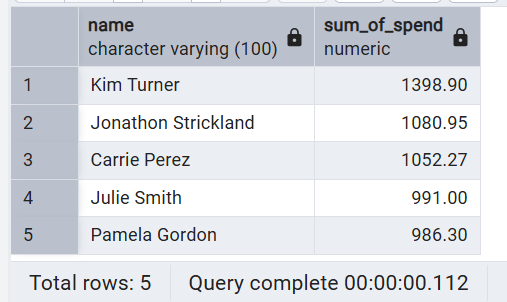
from customers c

join orders o on c.customer\_id=o.customer\_id

group by c.name

order by sum\_of\_spend desc

limit 5;



**9). Calculate the stock remaining after fulfilling all orders?**

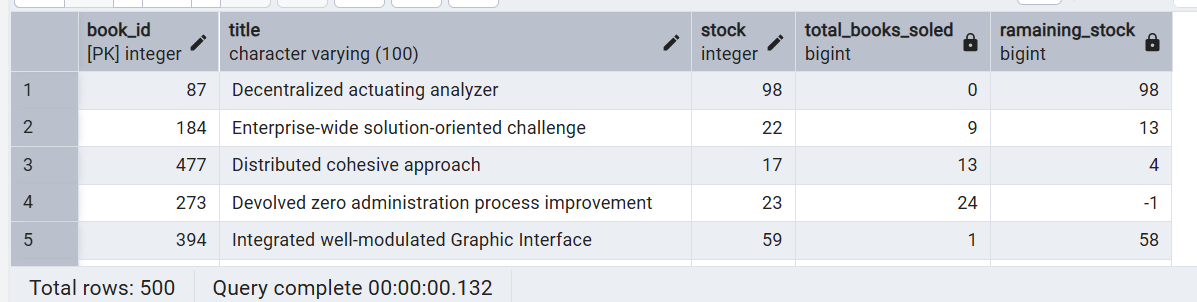
select b.book\_id,b.title,b.stock,coalesce(sum(quantity),0) as total\_books\_soled,

b.stock-coalesce(sum(quantity),0)

from books b

left join orders o on b.book\_id=o.book\_id

group by b.book\_id;



* **KEY INSIGHTS :**
* 75,628 Rupees Is The Total Revenue Generated From All Books.
* 25056 Rupees Is The Total Stock Available For The Books.
* 49.98 Rupees Is The Most Expensive Book.
* 7 Types Books : Romance, Biography, Mystry, Fanstasy, Fiction, Non\_Fiction, Science Fiction.
* Romance Is The Top Sold Book of 439.
* There Are 139 Customer Who Placed 2 Orders & Than 2 Orderes.
* Most Frequently Ordered Book is Robert tangible hardware.
* Top Author Which Books Sold 28 Is Patrick Contreras.
* Kim Turnor, Jonathon Strickland, Carrie Perez Are The Top 3 Customer Who Spending More 1000 Rupees On Orders.
* Decentralized Actuating analyzer Titles Book Not Performing Any More.