2025

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**Online\_Book\_Store\_Analysis\_using\_SQL**

[**Online\_Book\_Store\_Analysis\_using\_SQL**](https://github.com/Vinaypanika/Online_Book_Store_Analysis_using_SQL)

create database online\_book\_store;

use online\_book\_store;

select \* from books;

select \* from customers;

select \* from orders;

**Basic Questions**

**Que 1) Retrieve all books in the "Fiction" genre:**

select \* from books where genre = 'Fiction';

**Que 2) Find books published after the year 1950:**

select \* from books where Published\_Year > 1950;

**Que 3) List all customers from the Canada:**

select \* from customers where country = 'Canada';

**Que 4) Show orders placed in November 2023:**

select \* from orders where year(order\_date)=2023 and month(order\_date)= 11;

**Que 5) Retrieve the total stock of books available:**

select sum(stock) as total\_stock from books;

**Que 6) Find the details of the most expensive book:**

select \* from books where price = (select max(price) from books);

**Que 7) Show all customers who ordered more than 1 quantity of a book:**

select c.\*,o.Quantity from customers as c

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

where o.Quantity >1 ;

**Que 8) Retrieve all orders where the total amount exceeds $20:**

select \* from orders

where Total\_Amount > 20;

**Que 9) List all genres available in the Books table:**

select distinct genre from books;

**Que 10) Find the book with the lowest stock:**

select \* from books

where stock = (select min(stock) from books);

**Que 11) Calculate the total revenue generated from all orders:**

select round(sum(Total\_Amount),2) as total\_revenue from orders;

**Advance Questions**

**Que 1) Retrieve the total number of books sold for each genre:**

select b.genre,sum(o.quantity) as books\_sold from books as b

inner join orders as o on

b.book\_id = o.book\_id

group by b.genre;

**Que 2) Find the average price of books in the "Fantasy" genre:**

select round(avg(price),2) as Average\_price from books

where genre = "Fantasy";

**Que 3) List customers who have placed at least 2 orders:**

select c.Customer\_id,c.name,c.city,c.country,count(o.customer\_id) as no\_of\_orders from customers as c

inner join orders as o

on c.customer\_id = o.Customer\_id

group by customer\_id

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

**Que 4) Find the most frequently ordered book:**

select b.title,b.book\_id,count(O.order\_id) as no\_of\_orders from books as b

inner join orders as o

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

group by b.title

order by count(O.order\_id) desc;

**Que 5) Show the top 3 most expensive books of 'Fantasy' Genre :**

select Book\_id,title,genre,price from books

where genre = 'Fantasy'

order by price desc

limit 3;

**Que 6) Retrieve the total quantity of books sold by each author:**

select b.author,sum(o.quantity) as Quantity\_sold from books as b

inner join orders as o on

b.book\_id = o.book\_id

group by b.author

order by sum(o.quantity) desc ;

**Que 7) List the cities where customers who spent over $30 are located:**

select distinct city,o.total\_amount from customers as c

inner join orders as o on

c.customer\_id = o.customer\_id

where o.total\_amount>30;

**Que 8) Find the customer who spent the most on orders:**

select c.customer\_id,c.name,

round(sum(o.total\_amount),2) as Total\_spend from customers as c

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

group by c.customer\_id

order by sum(o.total\_amount) desc

limit 1;

**Que 9) Calculate the stock remaining after fulfilling all orders:**

SELECT b.Book\_ID, b.Title,b.Stock - COALESCE(SUM(o.Quantity), 0) AS Stock\_Remaining

FROM Books as b

LEFT JOIN Orders as o ON b.Book\_ID = o.Book\_ID

GROUP BY b.Book\_ID, b.Title, b.Stock

ORDER BY Stock\_Remaining DESC;