USE Book_Store;

SQL Bookstore Data Analysis

Create Database Book_Store;

```sql
-- 01) Retrieve the total number of books sold for each genre
SELECT b.genre, SUM(o.quantity) AS total_books_sold
FROM Orders o
JOIN Books b ON o.book_id = b.book_id
GROUP BY b.genre;
```

```sql
-- 02) Find the average price of books in the "Fantasy" genre
SELECT AVG(price) AS avg_price
FROM Books
WHERE genre = 'Fantasy';
```

```sql
-- 06) Retrieve the total quantity of books sold by each author
select b.Author, sum(o.quantity) as total_sold
from books b
join orders o
on b.Book_ID = o.Book_ID
group by b.author;
```

```sql
-- Advanced Questions
-- 09) Calculate the stock remaining after fulfilling all orders
select b.Book_ID, b.Title, b.stock,  COALESCE (sum(o.quantity), 0) as remaining_stocks
from books b
left join orders o
on b.Book_ID = o.Book_ID
group by b.stock, b.Book_ID, b.Title;
```

```sql
-- 11) Calculate the total revenue generated from all orders
SELECT
    b.Book_Id,
    o.Quantity,
    SUM(quantity * price) AS total_revenue
FROM
    orders o
        JOIN
    Books b ON o.Book_ID = b.Book_ID
GROUP BY o.Book_ID , o.Quantity;
```