

# Book Store Analysis

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# Top Analysis

- 01** Retrieve the total number of books sold for each genre:
- 02** List customers who have placed at least 2 orders:
- 03** Show the top 3 most expensive books of 'Fantasy' Genre :
- 04** Retrieve the total quantity of books sold by each author:
- 05** Calculate the stock remaining after fulfilling all orders:

# Retrieve the total number of books sold for each genre:

```
SELECT * FROM ORDERS;  
  
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;
```

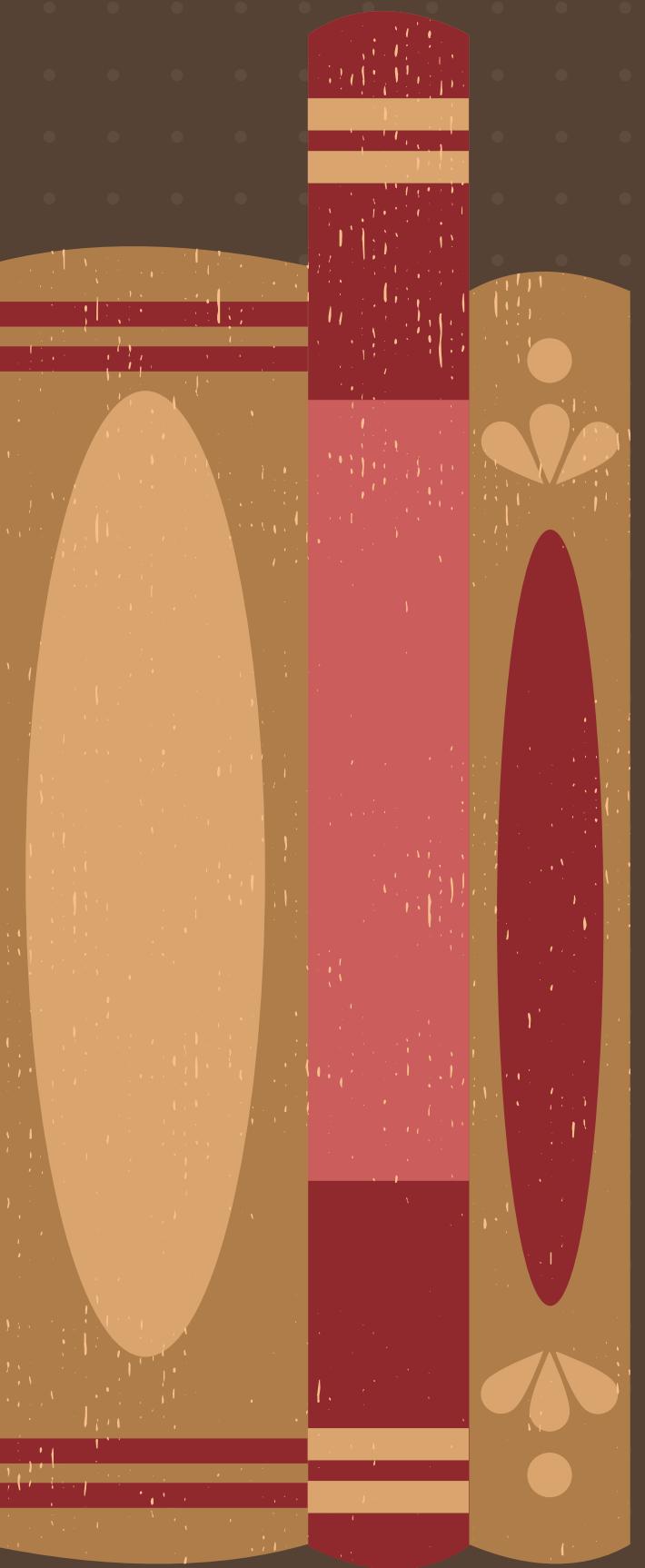
Order_ID	Customer_ID	Book_ID	Order_Date	Quantity	Total_Amount
1	84	169	2023-05-26	8	188.56
2	137	301	2023-01-23	10	216.60
3	216	261	2024-05-27	6	85.50
4	433	343	2023-11-25	7	301.21
5	14	431	2023-07-26	7	136.36
6	439	119	2024-10-11	5	249.40
7	195	467	2023-10-23	6	82.92
8	32	159	2024-05-07	4	144.84
9	109	407	2024-01-04	9	379.71

# List customers who have placed at least 2 orders:

```
SELECT o.customer_id, c.name, COUNT(o.Order_id) AS ORDER_COUNT  
FROM orders o  
JOIN customers c ON o.customer_id=c.customer_id  
GROUP BY o.customer_id, c.name  
HAVING COUNT(Order_id) >=2;
```

customer_id	name	ORDER_COUNT
84	Gary Blair	2
137	Steven Miller	2
216	Phillip Allen	2
14	John Wood	2
195	Dominique Turner	3
109	Jacob Kelley	2
94	Mr. David Cox	3
131	Peter Smith	2
454	April Anderson	2

Show the top 3 most expensive books of  
'Fantasy' Genre :



```
SELECT * FROM books  
WHERE genre = "Fantasy"  
ORDER BY price DESC LIMIT 3;
```



Book_ID	Title	Author	Genre	Published_Year	Price	Stock
240	Stand-alone content-based hub	Lisa Ellis	Fantasy	1957	49.90	41
462	Innovative 3rdgeneration database	Allison Contreras	Fantasy	1988	49.23	62
238	Optimized even-keeled analyzer	Sherri Griffith	Fantasy	1975	48.97	72
NUL	NUL	NUL	NUL	NUL	NUL	NUL

# Retrieve the total quantity of books sold by each author:

```
SELECT b.author, SUM(o.quantity) AS Total_Books_Sold  
FROM orders o  
JOIN books b ON o.book_id=b.book_id  
GROUP BY b.Author;
```



author	Total_Books_Sold
Margaret Moore	8
John Davidson	13
Christopher Fuentes	6
Marissa Smith	16
Christopher Dixon	15
Tonya Saunders	21
Larry Hunt	6
Brandon Foster	4
Michelle Bell	11

# Calculate the stock remaining after fulfilling all orders:

```
SELECT b.book_id, b.title, b.stock, COALESCE(SUM(o.quantity),0) AS Order_quantity,  
      b.stock - COALESCE(SUM(o.quantity),0) AS Remaining_Quantity  
FROM books b  
LEFT JOIN orders o ON b.book_id=o.book_id  
GROUP BY b.book_id ORDER BY b.book_id;
```



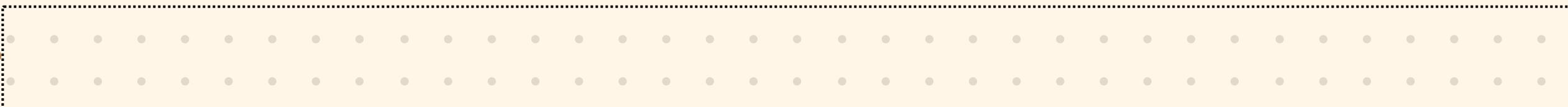
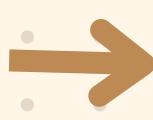
book_id	title	stock	Order_quantity	Remaining_Quantity
1	Configurable modular throughput	100	3	97
2	Persevering reciprocal knowledge user	19	0	19
3	Streamlined coherent initiative	27	5	22
4	Customizable 24hour product	8	0	8
5	Adaptive 5thgeneration encoding	16	8	8
6	Advanced encompassing implementation	2	0	2
7	Open-architected exuding structure	95	5	90
8	Persistent local encoding	84	3	81
9	Optimized interactive challenge	70	0	70

# Resource Page

GITHUB LINK



LINKDIN LINK





Thank you for  
attentive listening!