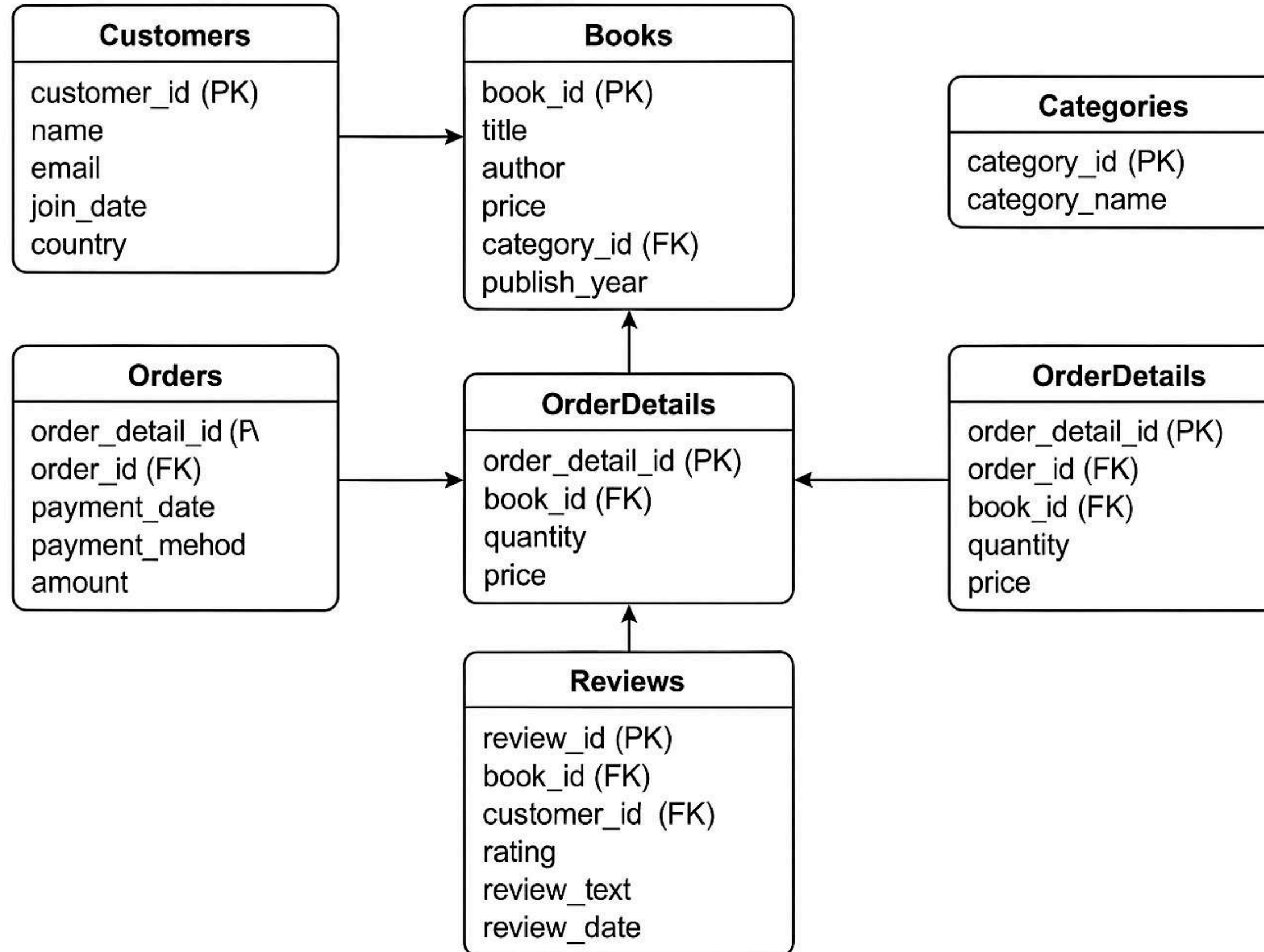




BOOK STORE DATA ANALYSIS

USING SQL
by PRANJAL SAXENA

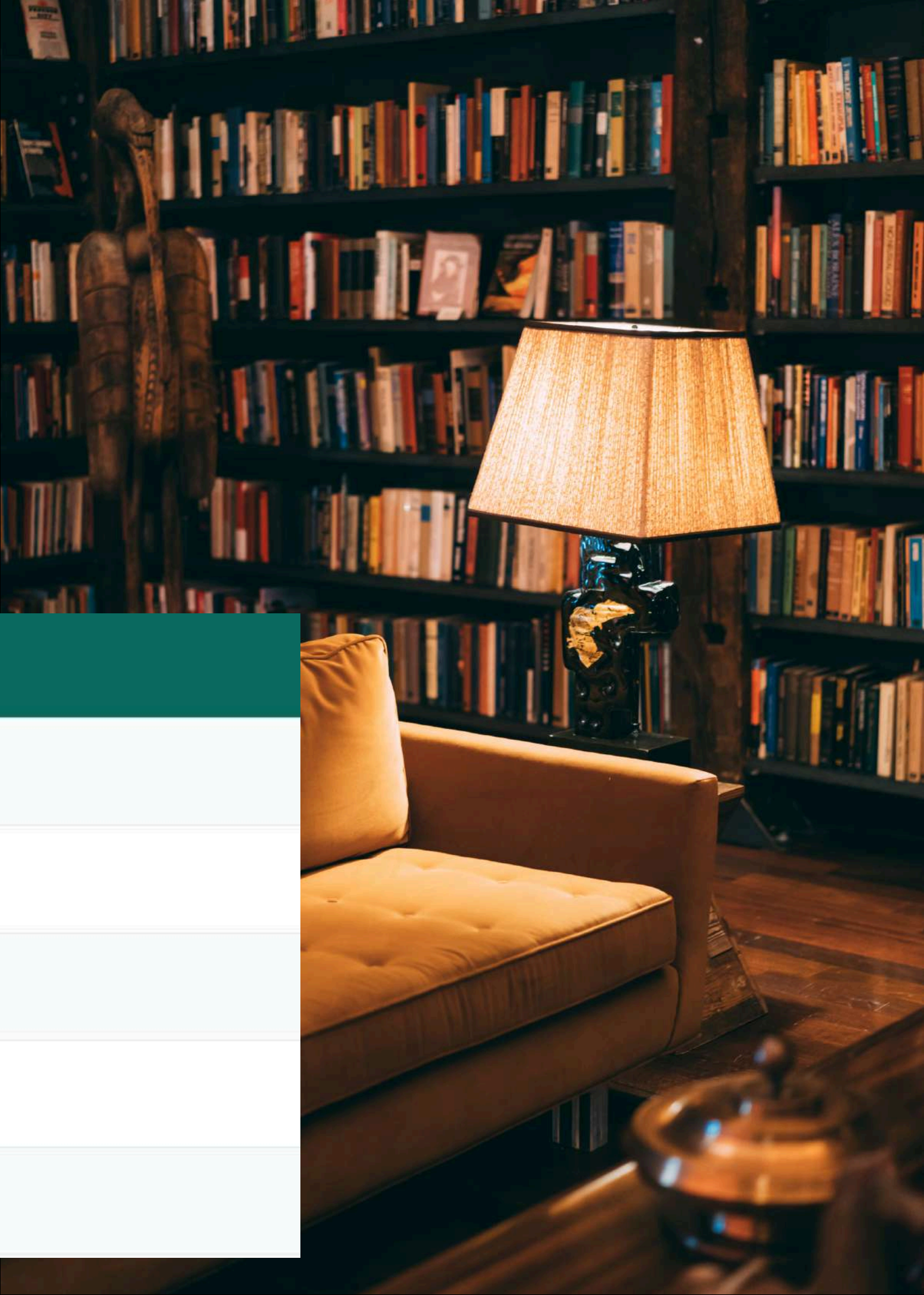
DATASET SCHEMA



Query 1: Total Sales by Category

```
SELECT c.category_name,  
SUM(od.price * od.quantity) AS total_sales  
FROM OrderDetails od  
JOIN Books b ON od.book_id = b.book_id  
JOIN Categories c ON b.category_id = c.category_id  
GROUP BY c.category_name  
ORDER BY total_sales DESC
```

category_name	total_sales
Fiction	23075.470000000001
Philosophy	22469.2400000000023
Technology	21181.219999999976
Science	21060.649999999987
History	19848.339999999998





Query 2: Top 5 Customers by Spending

```
SELECT cu.name, SUM(o.total_amount) AS total_spent
FROM Orders o
JOIN Customers cu ON o.customer_id = cu.customer_id
WHERE o.status = 'Completed'
GROUP BY cu.name
ORDER BY total_spent DESC
LIMIT 5;
```

name	total_spent
Margaret Herman	386.23
Brenda Cooper	330.54
Troy Robinson	324.35
Nicholas Rivera	302.56
Robert Khan	300.0

Query 3: Average Rating per Book

```
SELECT b.title, AVG(r.rating) AS avg_rating
FROM Reviews r
JOIN Books b
ON r.book_id = b.book_id
GROUP BY b.title
ORDER BY avg_rating DESC;
```

title	avg_rating
Year history until surface administration.	5.0
Yard experience ahead allow option.	5.0
While question ahead drive.	5.0
Vote continue either.	5.0
Very cold actually ground.	5.0
Two human media author relate.	5.0
Tv within tonight may whom.	5.0
Tv large money.	5.0
Travel girl agree.	5.0
Town upon.	5.0
Tonight spend someone challenge.	5.0




Query 4: Books with Low Stock

```
SELECT title, stock
FROM Books
WHERE stock < 10
ORDER BY stock ASC;
```

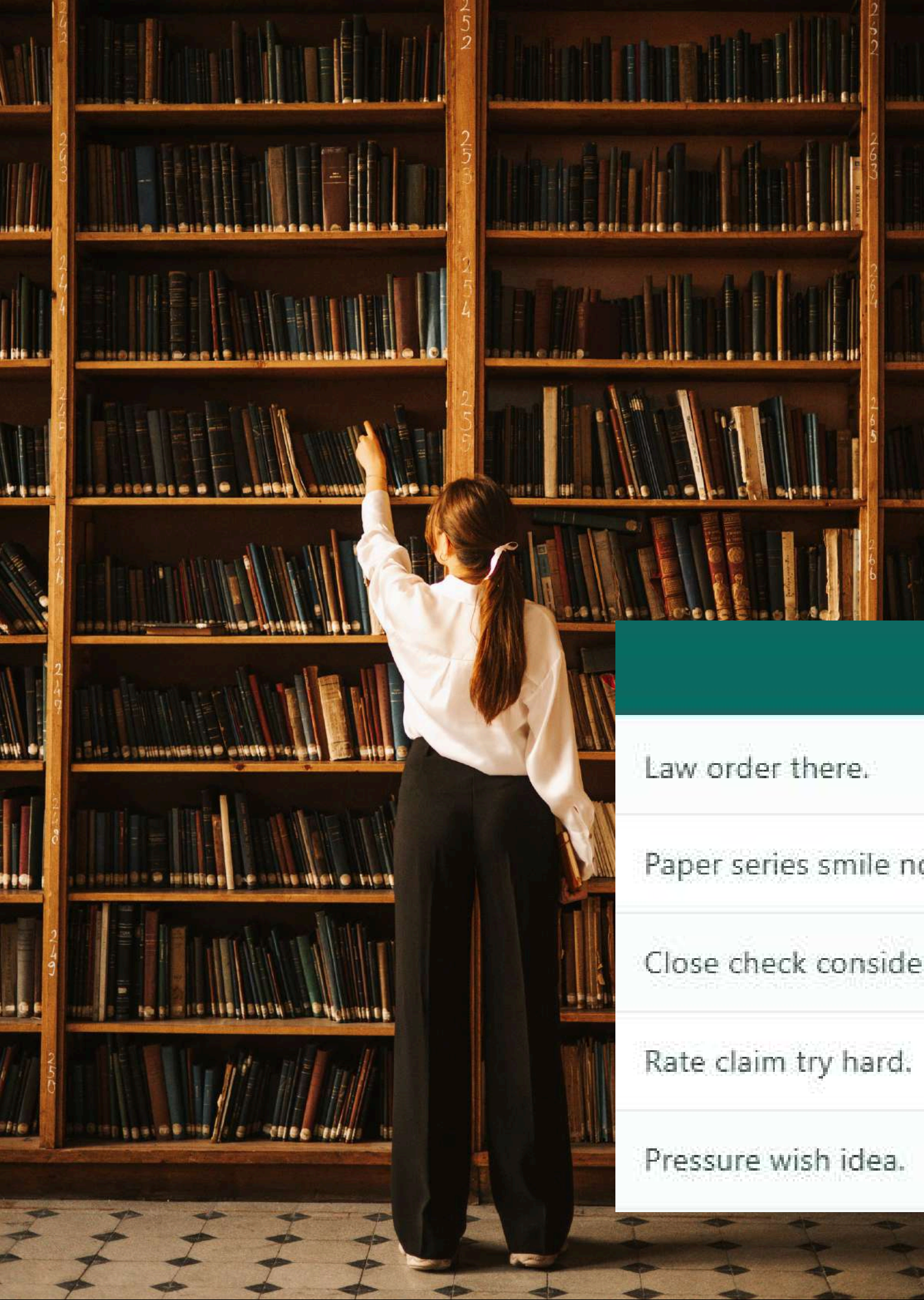
title	stock
Know but skin ability.	0
Miss hard growth.	0
Him off.	0
Imagine likely his source.	0
Bed option.	0
Instead scientist.	0
Main also.	0
Goal interesting service born.	0
Seven truth.	1
Think million health experience pressure.	1
Scientist training.	1

Query 5: Most Reviewed Books

```
SELECT b.title, COUNT(r.review_id) AS review_count
FROM Reviews r
JOIN Books b ON r.book_id = b.book_id
GROUP BY b.title
ORDER BY review_count DESC
LIMIT 10;
```



title	review_count
Number game memory,	5
Front price security,	5
Church once foreign,	5
Yourself from response dark where,	4
Young cultural social home,	4
Understand agree law more,	4
Strategy apply similar,	4
Several into,	4
Security according again machine team,	4
Nothing discussion similar,	4



Query 6: Top 5 Best Selling Books

```
SELECT b.title, SUM(od.quantity) AS total_sold
FROM OrderDetails od
JOIN Books b ON od.book_id = b.book_id
GROUP BY b.title
ORDER BY total_sold DESC
LIMIT 5;
```

title	total_sold
Law order there.	15
Paper series smile nor similar.	14
Close check consider painting.	14
Rate claim try hard.	13
Pressure wish idea.	13

Query 7: Revenue by Payment Method

```
SELECT payment_method,  
SUM(amount) AS total_revenue  
FROM Payments  
GROUP BY payment_method  
ORDER BY total_revenue DESC;
```

payment_method	total_revenue
Credit Card	11585.6100000000002
Bank Transfer	11533.4
PayPal	10437.6100000000002

Query 8: Inactive Customers (No Orders)

```
SELECT c.name, c.email
FROM Customers c
LEFT JOIN Orders o
ON c.customer_id = o.customer_id
WHERE o.order_id IS NULL;
```



name	email
Michael Alvarado	clewis@byrd.com
Eric Dorsey	rossmark@wilcox-lutz.com
David Jenkins	annellis@hawkins.com
Kayla Morales	ortizroberto@bryant.info
Emma Garcia	victoriagates@yahoo.com
Nathan Lee	umiles@hotmail.com
Paul Todd	grantcheryl@gmail.com
Veronica Robinson	aaronwalker@gmail.com
Margaret Reed	geraldmoss@hotmail.com
Henry English	jmassey@gmail.com
Deborah Holmes	gutierrezjulie@mccullough.com



Query 9: Books with No Reviews

SELECT b.title
FROM Books b
LEFT JOIN Reviews r
ON b.book_id = r.book_id
WHERE r.review_id IS NULL;

title
Summer on.
Rate claim try hard.
Feel energy lawyer dark.
Side these line.
Skill door girl level.
Live over environment vote.
Spend ok top go.
Describe Congress such yourself.
Drug skill military.
Million white suddenly.
From growth continue fund.

THANK YOU

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PRANJAL SAXENA

