AMAZON'S BEST SELLING BOOKS

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OBJECTIVES

- This project analyze Amazon's Top 15 Best Selling Books.
- To identify the most popular books based on their ratings and prices.
- To explore the relationship between book prices and customer ratings.

Tools Used

- **EXCEL**
- **My SQL**

Book Dataset Questions and Insights

- **Which genre has the most books in this dataset?**

```sql
SELECT Genre, COUNT(*) AS NumberOfBooks FROM Books
GROUP BY Genre
ORDER BY NumberOfBooks DESC;
```

Result Grid		Filter Rows:
	Genre	NumberOfBooks
▶	Memoir	3

This query helps us identify which genre has the highest number of books by counting the books in each genre.

2.What is the average book price for each genre?

```sql
SELECT Genre,ROUND(AVG(BOOKPRICE))AS Averageprice FROM Books
GROUP BY Genre
ORDER BY AveragePrice DESC;
```

Result Grid | Filter Rows:

Genre	Averageprice
Nonfiction, True Crime	1821
Memoir	1707
Adventure, War, Scie...	1660
Autobiography	1650
Fantasy Romance	1528
Fantasy	1410
Nonfiction	1147
Self-improvement, No...	1144
Historical Fiction	994
Humor, Middle Grade	702
Nonfiction, Politics	617
Childrens, Fiction	472
Childrens, Storytime, ...	322

This query calculates the average book price for each genre.

3.Which are the books priced above the average price?

```sql
SELECT * FROM Books
WHERE BookPrice>(SELECT AVG(BookPrice) FROM Books);
```

Rank_	Booktitle	BookPrice	Rating	Author	YearOfPublication	Genre
1	Iron Flame (The Empyrean, 2)	1528.00	4.1	Rebecca Yarros	2023	Fantasy Romance
2	The Woman in Me	1737.00	4.5	Britney Spears	2023	Memoir
3	My Name is Barbra	1650.00	4.5	Barbra Streisand	2023	Autobiography
4	Friends, Lovers, and the Big Terrible Thing: A M...	1991.00	4.4	Matthew Perry	2023	Memoir
6	Fourth Wing (The Empyrean, 1)	1410.00	4.8	Rebecca Yarros	2023	Fantasy
9	Killers of the Flower Moon: The Osage Murders ...	1821.00	4.4	David Grann	2017	Nonfiction, True Crime
11	The Ballad of Songbirds and Snakes (A Hunger ...	1660.00	4.6	Suzanne Collins	2020	Adventure, War, Scie...
12	Night (Night)	1394.00	4.7	Elie Wiesel	1960	Memoir

This query calculates the books which have price above the average price.

4.Which are the Top 5 highly rated expensive books and is there any relation between book price and rating?

```sql
SELECT BookTitle,BookPrice,Rating FROM Books


ORDER BY Rating DESC,BookPrice DESC LIMIT 5;
```

	BookTitle	BookPrice	Rating
▶	Fourth Wing (The Empyrean, 1)	1410.00	4.8
	Atomic Habits: An Easy & Proven Way to Build ...	1144.00	4.8
	No Brainer (Diary of a Wimpy Kid Book 18)	702.00	4.8
	Unwoke: How to Defeat Cultural Marxism in Am...	617.00	4.8
	How to Catch a Turkey	472.00	4.8

Result Grid | Filter Rows: | Export: | Wrap

This query helps to identify the top 5 most highly rated and expensive books
by sorting the dataset first by highest rating and then by highest price.
Based on the output,all top 5 books have the same high rating but their prices are different.
From this we can understand that the customer value the book quality more than its price.

5.Which books were published in the year 2023 along with their authors and corresponding genres?

```sql
SELECT b.Booktitle,b.Author,b.YearOfPublication,g.Genre
FROM Books b
INNER JOIN Genres g ON b.Author = g.Author WHERE b.YearOfPublication =2023;
```
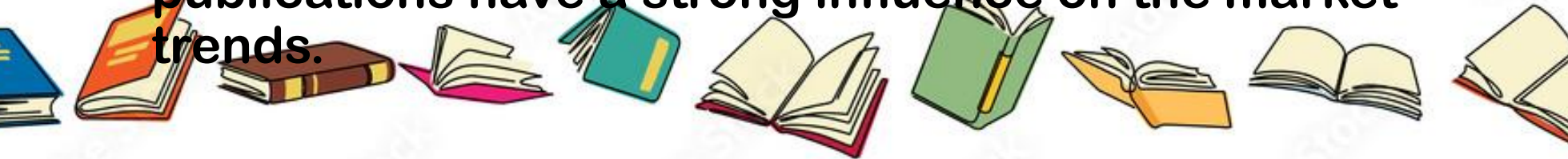
	Booktitle	Author	YearOfPublication	Genre
▶	Fourth Wing (The Empyrean, 1)	Rebecca Yarros	2023	Fantasy Romance
	Iron Flame (The Empyrean, 2)	Rebecca Yarros	2023	Fantasy Romance
	The Woman in Me	Britney Spears	2023	Memoir
	My Name is Barbra	Barbra Streisand	2023	Autobiography
	Friends, Lovers, and the Big Terrible Thing: A M...	Matthew Perry	2023	Memoir
	Unwoke: How to Defeat Cultural Marxism in Am...	Unknown	2023	Nonfiction, Politics
	No Brainer (Diary of a Wimpy Kid Book 18)	Jeff Kinney	2023	Humor, Middle Grade

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

This query is used to retrieve the list of books published in the year 2023 along with their respective authors and genres.

CONCLUSION

- The books,especially from 2023 dominate the bestseller list.

- There is no strong relation between book price and book rating.Books with lower price can also achieve top ratings.

- Overall the project helps to understand that readers prioritize quality and content over price and recent publications have a strong influence on the market trends.

THANKYOU