



# Online Book Store Sales

# *Retrieve all books in the "Fiction" genre*

SELECT

\*

FROM

books

WHERE

Genre = 'Fiction';

Book_ID	Title	Author	Genre	Published_Year	Price	Stock
4	Customizable 24hour product	Christopher Andrews	Fiction	2020	43.52	8
22	Multi-layered optimizing migration	Wesley Escobar	Fiction	1908	39.23	78
28	Expanded analyzing portal	Lisa Coffey	Fiction	1941	37.51	79
29	Quality-focused multi-tasking challenge	Katrina Underwood	Fiction	1905	31.12	100
31	Implemented encompassing conglomeration	Melissa Taylor	Fiction	2010	21.23	44
39	Optimized national process improvement	Megan Goodwin	Fiction	1978	10.99	42
40	Adaptive didactic interface	Natalie Gonzalez	Fiction	1923	25.97	94
47	Reverse-engineered directional conglomeration	John Christian	Fiction	2006	20.37	90
62	Re-contextualized real-time strategy	Nicole Lynch	Fiction	1953	26.34	23
63	Polarized heuristic database	Franklin Mack	Fiction	1989	22.38	56
100	Synchronized client-server service-desk	James Alvarado	Fiction	1906	49.89	29
116	Multi-tiered foreground contingency	Jamie Gates	Fiction	1938	41.82	50
125	Public-key analyzing Graphic Interface	Abigail Madden	Fiction	1990	32.41	16
130	Realigned context-sensitive pricing structure	Jason Rodriguez	Fiction	2004	6.64	90
134	Polarized bandwidth-monitored throughput	Linda Newman	Fiction	1955	35.72	49
142	Multi-tiered responsive parallelism	Amanda Wilson	Fiction	1940	48.96	11

# *Find books published after the year 1950*

SELECT

\*

FROM

books

WHERE

Published\_Year > 1950;



Book_ID	Title	Author	Genre	Published_Year	Price	Stock
2	Persevering reciprocal knowledge user	Mario Moore	Fantasy	1971	35.8	19
4	Customizable 24hour product	Christopher Andrews	Fiction	2020	43.52	8
5	Adaptive 5thgeneration encoding	Juan Miller	Fantasy	1956	10.95	16
6	Advanced encompassing implementation	Bryan Morgan	Biography	1985	6.56	2
8	Persistent local encoding	Troy Cox	Science Fiction	2019	48.99	84
9	Optimized interactive challenge	Colin Buckley	Fantasy	1987	14.33	70
10	Ergonomic national hub	Samantha Ruiz	Mystery	2015	24.63	25
11	Secured zero tolerance time-frame	Denise Barnes	Fantasy	1998	35.95	10
12	Polarized optimal array	Destiny Scott	Non-Fiction	1989	27.43	63
15	User-friendly motivating strategy	Keith Smith	Non-Fiction	1997	23.83	58
17	Reduced secondary core	Benjamin Peters	Fantasy	1966	5.37	45
18	Adaptive 4thgeneration concept	Hector Palmer	Non-Fiction	2021	39.47	32
19	Progressive asymmetric Internet solution	Sean Miller	Science Fiction	1990	11.31	1
20	Face-to-face systematic throughput	Teresa Brennan	Non-Fiction	1978	48.13	64
23	Reverse-engineered context-sensitive ...	Christina Hernandez	Mystery	1967	38.55	70
25	Devolved mobile conglomeration	Alexander Bailey	Biography	1984	8.55	79
26	Multi-channelled multi-tasking capability	Patricia Buck	Science Fiction	1964	21.05	41
28	***	***	***	2012	22.50	22

# *List all customers from the Canada*

```
SELECT  
*  
FROM  
customers  
WHERE  
Country = 'Canada';
```

Customer_ID	Name	Email	Phone	City	Country
38	Nicholas Harris	christine93@perkins.com	1234567928	Davistown	Canada
415	James Ramirez	robert54@hall.com	1234568305	Maxwelltown	Canada
468	David Hart	stokesrebecca@gmail.com	1234568358	Thompsonfurt	Canada

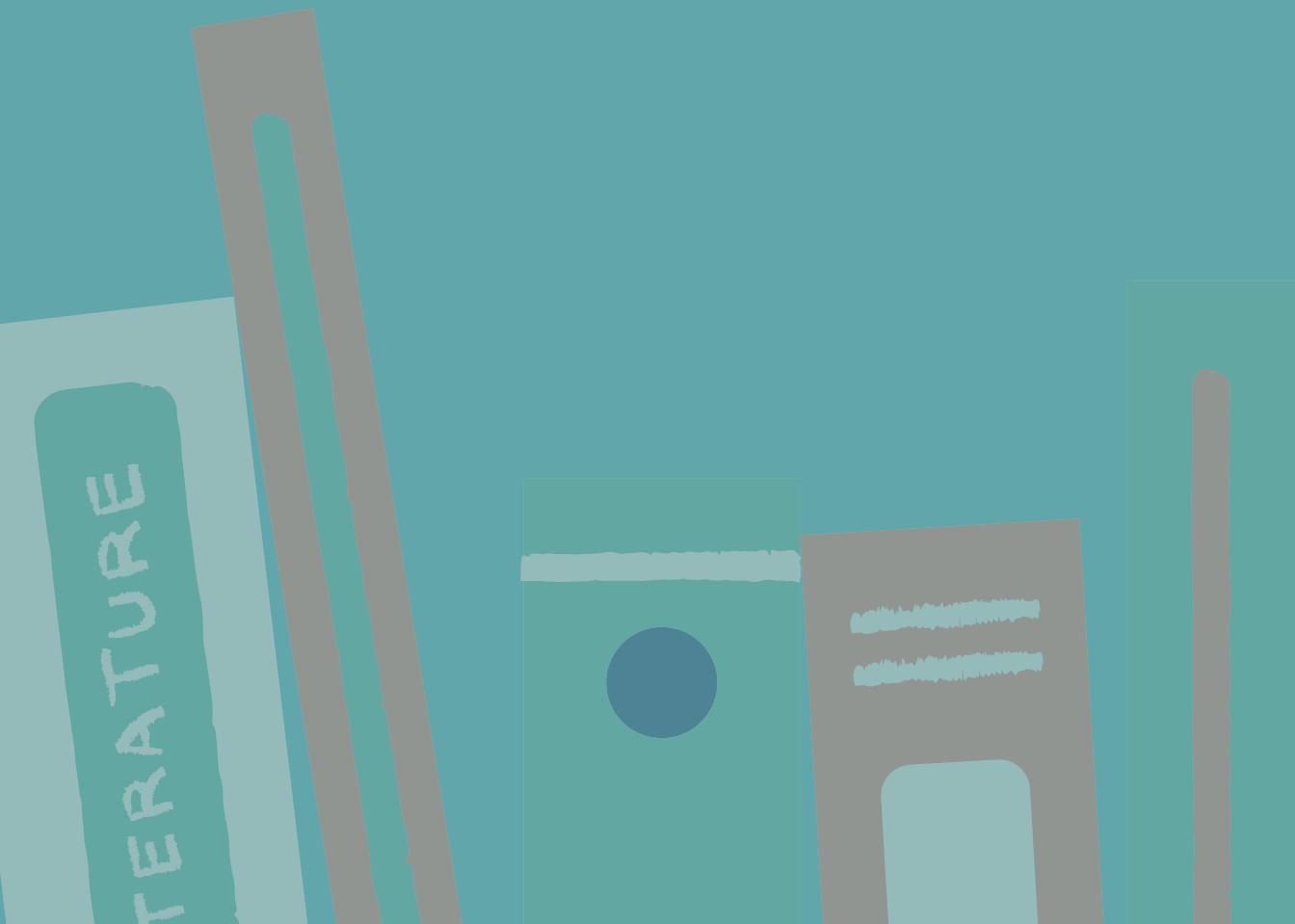
# Show orders placed in November 2023

```
SELECT  
*  
  
FROM  
orders  
  
WHERE  
Order_Date >= '2023-11-01'  
AND Order_Date < '2023-12-01';
```

Order_ID	Customer_ID	Book_ID	Order_Date	Quantity	Total_Amount
4	433	343	2023-11-25	7	301.21
19	496	60	2023-11-17	9	316.26
75	291	375	2023-11-30	5	170.75
132	469	333	2023-11-22	7	194.32
137	474	471	2023-11-25	8	363.04
163	207	384	2023-11-23	3	101.76
182	129	293	2023-11-01	7	125.51
200	313	303	2023-11-23	1	6.57
213	325	447	2023-11-17	7	253.75
231	22	384	2023-11-11	1	33.92
245	386	97	2023-11-01	9	411.66
252	405	387	2023-11-15	5	237.1
257	123	403	2023-11-06	1	15.01
288	6	128	2023-11-13	1	24.04
307	368	133	2023-11-17	1	20.96
322	270	112	2023-11-08	2	16.04
344	385	218	2023-11-25	5	26.8

# *Retrieve the total stock of books available*

```
SELECT  
    SUM(stock)  
FROM  
    books;
```



	SUM(stock)
▶	25056

# *Find the details of the most expensive book*

```
SELECT
  *
FROM
  books
ORDER BY price DESC
LIMIT 1;
```

Book_ID	Title	Author	Genre	Published_Year	Price	Stock
340	Proactive system-worthy orchestration	Robert Scott	Mystery	1907	49.98	88

# Show all customers who ordered more than 1 quantity of a book

```
SELECT  
    Customers.Name, Orders.Quantity  
FROM  
    Customers  
        JOIN  
    Orders ON Customers.Customer_ID = Orders.Customer_ID  
WHERE  
    Orders.Quantity >= 2  
GROUP BY Customers.Name , Orders.Quantity  
ORDER BY Orders.Quantity;
```

Name	Quantity
Christina Mitchell	2
Dylan Bell	2
Amanda Morton	2
Samuel Daniels	2
Gary Blair	2
Gregory Joseph	2
Levi Pierce	2
Timothy Lane	2
Amy Hunt	2
Jacob Kelley	2
Andrew Wilson	2
Molly Murphy	2
Rita Wallace	2
Rebecca Perez	2
Nichole Velez	2
Austin Shea	2
Rebecca Buckley	2
...	...

# *Retrieve all orders where the total amount exceeds \$20*

SELECT

\*

FROM

Orders

WHERE

Total\_Amount > 20;

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	216.6
3	216	261	2024-05-27	6	85.5
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	249.4
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
10	94	122	2024-07-09	4	123
11	131	206	2023-10-16	1	38.01

# *List all genres available in the Books table*

```
SELECT DISTINCT  
    (Genre)  
FROM  
    Books;
```



Genre
Biography
Fantasy
Non-Fiction
Fiction
Romance
Science Fiction
Mystery

# *Find the book with the lowest stock*

```
SELECT  
    *  
FROM  
    books  
ORDER BY stock  
LIMIT 1;
```



Book_ID	Title	Author	Genre	Published_Year	Price	Stock
378	Future-proofed heuristic function	Samantha Mcdain	Romance	1903	6.01	0

# *Calculate the total revenue generated from all orders*

SELECT

    SUM(Total\_Amount) AS revenue

FROM

Orders;

ORDER HERE

revenue  
75628.66000000003



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

```
SELECT  
    books.genre, SUM(orders.Quantity) AS total_books_sold  
FROM  
    books  
    JOIN  
    orders ON books.Book_ID = orders.Book_ID  
GROUP BY books.genre;
```

genre	total_books_sold
Biography	285
Non-Fiction	351
Fantasy	446
Romance	439
Science Fiction	447
Mystery	504
Fiction	225

# *List customers who have placed at least 2 orders*

```
select a.Name, b.Customer_ID, count(b.Order_ID) as total_orders  
from customers as a join orders as b  
on a.Customer_ID = b.Customer_ID  
group by a.Name, b.Customer_ID  
Having total_orders >=2;
```

Name	Customer_ID	total_orders
Crystal Clements	2	2
Stephen Vasquez	6	2
Matthew Johnson	8	2
Kristine Kim	13	2
John Wood	14	2
Vanessa Gaines	15	2
Stacey Flores	16	3
Edgar Frost	21	2
Stacey Adams	22	3
Hannah Drake	23	2
Christina Mitchell	24	2

# *Find the most frequently ordered book*

SELECT

a.Book\_ID, a.Title, COUNT(b.order\_ID) AS frq\_orders

FROM

books AS a

JOIN

orders AS b ON a.Book\_ID = b.Book\_ID

GROUP BY a.Book\_ID , a.Title

ORDER BY frq\_orders DESC

LIMIT 1;

Book_ID	Title	frq_orders
31	Implemented encompassing conglomeration	4

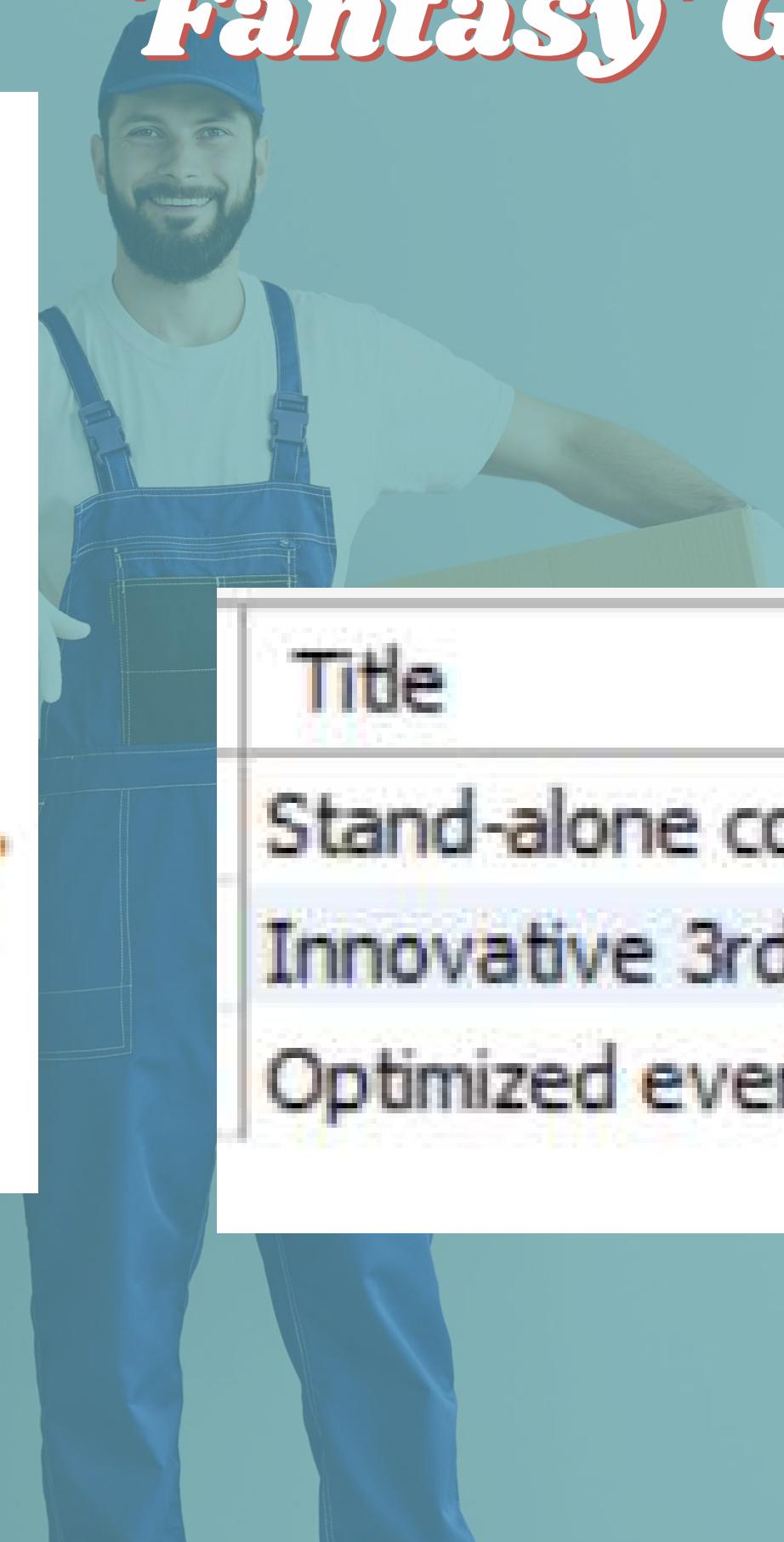
31

Implemented encompassing conglomeration

4

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

```
SELECT Title, Price  
FROM books  
WHERE Genre = 'Fantasy'  
ORDER BY Price DESC  
LIMIT 3;
```



Title	Price
Stand-alone content-based hub	49.9
Innovative 3rdgeneration database	49.23
Optimized even-keeled analyzer	48.97

# *Retrieve the total quantity of books sold by each author.*

```
select a.Author,b.Book_ID,sum(b.Quantity) as sold  
from books as a join orders as b  
on a.Book_ID = b.Book_ID  
group by a.Author,b.Book_ID  
order by sold;
```

Author	Book_ID	sold
Samantha Ruiz	10	1
Christopher Price	16	1
Sean Miller	19	1
Natalie Gonzalez	40	1
Jennifer Powell	48	1
James Buckley	75	1
Scott Gentry	81	1
Ruben Nichols	128	1
Jason Rodriguez	130	1
Zachary Buchanan	133	1
Nancy Goodman	143	1
Ashley Mason	164	1
Lisa Lopez	206	1
Dana Ibarra	211	1
Lindsey Lucas	212	1
Reginald Chavez	234	1
Ryan Clark	276	1

# List the cities where customers who spent over \$30 are located

```
select distinct a.City,a.Name,b.Total_Amount  
from customers as a join orders as b  
on a.Customer_ID = b.Customer_ID  
where b.Total_Amount >=30;
```

City	Name	Total_Amount
East Derekberg	Crystal Clements	298.06
Hamiltonstad	Stephen Vasquez	148.02
Kirstenborough	Matthew Johnson	95.85
Kirstenborough	Matthew Johnson	44.61
Lake Benjamin	Ronald Osborn	192.12
West Monicabury	Thomas Garcia	221.8
South Ashleychester	Jennifer Murray	39.51
Lake Robert	Kristine Kim	48.8
Lake Robert	Kristine Kim	290.94
Richardsonville	John Wood	246.7
Richardsonville	John Wood	136.36
Rodriguezmouth	Vanessa Gaines	51.3
Rodriguezmouth	Vanessa Gaines	148.68
East Michaelfurt	Stacey Flores	102.54
East Michaelfurt	Stacey Flores	64.02

# *Find the customer who spent the most on orders*

```
SELECT  
    a.Name, a.Customer_ID, SUM(b.Total_Amount) AS total_Spent  
FROM  
    customers AS a  
        JOIN  
    orders AS b ON a.Customer_ID = b.Customer_ID  
GROUP BY a.Name , a.Customer_ID  
ORDER BY total_Spent DESC  
LIMIT 1;
```

Name	Customer_ID	total_Spent
Kim Turner	457	1398.8999999999999

# *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_stock  
  
FROM  
    books b  
    LEFT JOIN  
    orders o ON b.Book_ID = o.Book_ID  
GROUP BY b.Book_ID , b.Title , b.Stock  
ORDER BY b.Book_ID;
```



Book_ID	Title	Stock	order_quantity	remaining_stock
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
10	Ergonomic national hub	25	1	24
11	Secured zero tolerance time-frame	10	5	5
12	Polarized optimal array	63	0	63
13	Adaptive 5thgeneration orchestration	99	9	90
14	Re-engineered demand-driven parallelism	95	0	95