

SQL PROJECT QUESTIONS WITH THEIR SOLUTIONS ON - ONLINE BOOK STORE

QUESTION NO: 01 - RETRIEVE ALL BOOKS IN THE "FICTION" GENRE

```
SELECT
*
FROM
Books
WHERE
Genre = 'Fiction';
```

QUESTION NO: 02 - FIND BOOKS PUBLISHED AFTER THE YEAR 1950

```
SELECT
*
FROM
Books
WHERE
Published_year > 1950;
```

QUESTION NO: 03 - LIST ALL CUSTOMERS FROM THE CANADA

```
SELECT
*
FROM
Customers
WHERE
country = 'Canada';
```

QUESTION NO: 04 - SHOW ORDERS PLACED IN NOVEMBER 2023

```
SELECT
*
FROM
Orders
WHERE
order_date BETWEEN '2023-11-01' AND '2023-11-30';
```

QUESTION NO: 05 - RETRIEVE THE TOTAL STOCK OF BOOKS AVAILABLE

```
SELECT
SUM(stock) AS Total_Stock
FROM
Books;
```

QUESTION NO: 06 - FIND THE DETAILS OF THE MOST EXPENSIVE BOOK

```
SELECT
*
FROM
Books
ORDER BY Price DESC
LIMIT 1;
```

QUESTION NO: 07 - SHOW ALL CUSTOMERS WHO ORDERED MORE THAN 1 QUANTITY OF A BOOK

```
SELECT
*
FROM
Orders
WHERE
quantity > 1;
```

QUESTION NO: 08 - RETRIEVE ALL ORDERS WHERE THE TOTAL AMOUNT EXCEEDS \$20

```
SELECT
*
FROM
Orders
WHERE
total_amount > 20;
```

QUESTION NO: 09 - LIST ALL GENRES AVAILABLE IN THE BOOKS TABLE

SELECT DISTINCT

genre

FROM

Books;

QUESTION NO: 10 - FIND THE BOOK WITH THE LOWEST STOCK

SELECT

*

FROM

Books

ORDER BY stock

LIMIT 1;

QUESTION NO: 11 - CALCULATE THE TOTAL REVENUE GENERATED FROM ALL ORDERS

SELECT

SUM(total_amount) AS Revenue

FROM

Orders;

QUESTION NO: 12 - 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;

QUESTION NO: 13 - FIND THE AVERAGE PRICE OF BOOKS IN THE "FANTASY" GENRE

SELECT

AVG(price) AS Average_Price

FROM

Books

WHERE

Genre = 'Fantasy';

QUESTION NO: 14 - 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;

QUESTION NO: 15 - FIND THE MOST FREQUENTLY ORDERED BOOK

SELECT

o.Book_id, b.title, COUNT(o.order_id) AS ORDER_COUNT

FROM

orders o

JOIN

books b ON o.book_id = b.book_id

GROUP BY o.book_id, b.title

ORDER BY ORDER_COUNT DESC

LIMIT 1;

QUESTION NO: 16 - SHOW THE TOP 3 MOST EXPENSIVE BOOKS OF 'FANTASY' GENRE

SELECT

*

FROM

books

WHERE

genre = 'Fantasy'

QUESTION NO: 17 - RETRIEVE THE TOTAL QUANTITY OF BOOKS SOLD BY EACH AUTHOR

QUESTION NO: 18 - LIST THE CITIES WHERE CUSTOMERS WHO SPENT OVER \$30 ARE LOCATED

QUESTION NO: 19 - FIND THE CUSTOMER WHO SPENT THE MOST ON ORDERS

QUESTION NO: 20 - CALCULATE THE STOCK REMAINING AFTER FULFILLING ALL ORDERS

[illegible]