LIBRARY MANAGEMENT SYSTEM

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Creating Author Table:

```
CREATE TABLE authors (
    author_id INT PRIMARY KEY,
    author_name VARCHAR(100),
    birth_date DATE,
    country VARCHAR(50)
);
```

creating Book Table:

```
CREATE TABLE authors (
    author_id INT PRIMARY KEY,
    author_name VARCHAR(100),
    birth_date DATE,
    country VARCHAR(50)
);
```

Creating Customer Table:

```
CREATE TABLE customers (
    customer_id INT PRIMARY KEY,
    customer_name VARCHAR(100),
    email VARCHAR(255),
    address VARCHAR(255)
);
```

Creating order table:

```
CREATE TABLE orders (
    order_id INT PRIMARY KEY,
    order_date DATE,
    customer_id INT,
    total_amount DECIMAL(10, 2),
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
);
```

creating OrderDetails tables:

```sql
CREATE TABLE order_details (
    order_detail_id INT PRIMARY KEY,
    order_id INT,
    book_id INT,
    quantity INT,
    unit_price DECIMAL(10, 2),
    FOREIGN KEY (order_id) REFERENCES orders(order_id),
    FOREIGN KEY (book_id) REFERENCES books(book_id)
);
```

Retrieve List of Top-Selling Books:

```sql
SELECT
    b.title AS book_title,
    a.author_name,
    SUM(od.quantity) AS total_quantity_sold
FROM
    books b
JOIN
    order_details od ON b.book_id = od.book_id
JOIN
    orders o ON od.order_id = o.order_id
JOIN
    authors a ON b.author_id = a.author_id
GROUP BY
    b.title, a.author_name
ORDER BY
    total_quantity_sold DESC;
```

Calculate Total Sales:

```sql
SELECT
    SUM(od.quantity * od.unit_price) AS total_sales
FROM
    order_details od
JOIN
    orders o ON od.order_id = o.order_id;
```