Here’s an updated version of the example with popular **Indian book titles** replacing the previous ones. I’ll modify the sample data to reflect Indian literature:

**1. DDL: Table Creation**

The table structure remains the same:

sql

Copy code

CREATE TABLE book\_sales (

sale\_id SERIAL PRIMARY KEY,

customer\_name VARCHAR(100) NOT NULL,

book\_title VARCHAR(100) NOT NULL,

quantity\_sold INT NOT NULL,

sale\_date DATE NOT NULL

);

**2. Inserting Sample Data (Indian Books)**

Here’s the modified sample data with Indian books:

sql

Copy code

INSERT INTO book\_sales (customer\_name, book\_title, quantity\_sold, sale\_date) VALUES

('Ravi Kumar', 'The God of Small Things', 2, '2024-01-15'),

('Sita Sharma', 'A Suitable Boy', 1, '2024-02-16'),

('Meera Reddy', 'The White Tiger', 1, '2024-02-20'),

('Ravi Kumar', 'Train to Pakistan', 1, '2024-03-10'),

('Sita Sharma', 'Midnight’s Children', 3, '2024-03-15'),

('Meera Reddy', 'The Inheritance of Loss', 2, '2024-04-01'),

('Ravi Kumar', 'The Guide', 1, '2024-04-05');

**Indian Book Titles Used:**

1. **The God of Small Things** by Arundhati Roy
2. **A Suitable Boy** by Vikram Seth
3. **The White Tiger** by Aravind Adiga
4. **Train to Pakistan** by Khushwant Singh
5. **Midnight’s Children** by Salman Rushdie
6. **The Inheritance of Loss** by Kiran Desai
7. **The Guide** by R.K. Narayan

**3. Queries**

**Method 1: Using EXTRACT() to Filter by Month**

To filter records where sales occurred in **February**:

sql

Copy code

SELECT \*

FROM book\_sales

WHERE EXTRACT(MONTH FROM sale\_date) = 2;

**Method 2: Using TO\_CHAR() to Filter by Month**

Alternatively, you can filter February sales using the TO\_CHAR() function:

sql

Copy code

SELECT \*

FROM book\_sales

WHERE TO\_CHAR(sale\_date, 'MM') = '02';

**4. Sample Output for February Filter**

The output for sales made in **February** will look like this:

| **sale\_id** | **customer\_name** | **book\_title** | **quantity\_sold** | **sale\_date** |
| --- | --- | --- | --- | --- |
| 2 | Sita Sharma | A Suitable Boy | 1 | 2024-02-16 |
| 3 | Meera Reddy | The White Tiger | 1 | 2024-02-20 |

**Additional Example Queries for Other Months**

**Filter for March:**

sql

Copy code

-- Using EXTRACT() for March

SELECT \*

FROM book\_sales

WHERE EXTRACT(MONTH FROM sale\_date) = 3;

-- Using TO\_CHAR() for March

SELECT \*

FROM book\_sales

WHERE TO\_CHAR(sale\_date, 'MM') = '03';

**5. Output for March Filter**

The output for sales made in **March** will look like this:

| **sale\_id** | **customer\_name** | **book\_title** | **quantity\_sold** | **sale\_date** |
| --- | --- | --- | --- | --- |
| 4 | Ravi Kumar | Train to Pakistan | 1 | 2024-03-10 |
| 5 | Sita Sharma | Midnight’s Children | 3 | 2024-03-15 |

**Summary:**

* **Indian Books**: Popular Indian titles have been used.
* **Queries**: You can use the same EXTRACT() or TO\_CHAR() methods to filter by month, whether it’s for February, March, or any other month.

These queries help analyze sales data filtered by specific months in a scenario featuring Indian literature.