Experiment 1.1

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Subject Name: ADBMS **Subject Code: 23CSP-333**

1. **Aim:** Author-Book Relationship Using Joins and Basic SQL Operations

2. **Objective:**
   - Design two tables — one for storing author details and the other for book details.
   - Ensure a foreign key relationship from the book to its respective author.
   - Insert at least three records in each table.
   - Perform an INNER JOIN to link each book with its author using the common author ID.
   - Select the book title, author name, and author's country.

3. **Code:**

```
CREATE TABLE Author ( AuthorID
   INT PRIMARY KEY,
   AuthorName VARCHAR(100),
   Country VARCHAR(50)
);

CREATE TABLE Book (
   BookID INT PRIMARY KEY,
   Title VARCHAR(100),
```

```
    AuthorID INT,
    FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID)
);
```



```
INSERT INTO Author (AuthorID, AuthorName, Country) VALUES
(1, 'Amit', 'India'),
(2, 'Sohan', 'Pakistan'),
(3, 'Aman', 'Nigeria'),
(4, 'Rohan', 'India');

INSERT INTO Book (BookID, Title, AuthorID) VALUES
(101, '1984', 1),
(102, 'Animal Farm', 1),
(103, 'Shaktiman', 2),
(104, 'Adventures of Huckleberry Finn', 3),
(105, 'Atomic Habits', 4);

SELECT
    b.Title AS BookTitle,
    a.AuthorName,
    a.Country
FROM Book b
INNER JOIN Author a ON b.AuthorID = a.AuthorID;
```

Output:

	BookTitle	AuthorName	Country
1	1984	Amit	India
2	Animal Farm	Amit	India
3	Shaktiman	Sohan	Pakistan
4	Adventures of Huckleberry Finn	Aman	Nigeria
5	Atomic Habits	Rohan	India