



Experiment 1.1

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Branch: B.E-CSE

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Subject Name: ADBMS

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Section/Group: KRG-3_A

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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)  
);
```

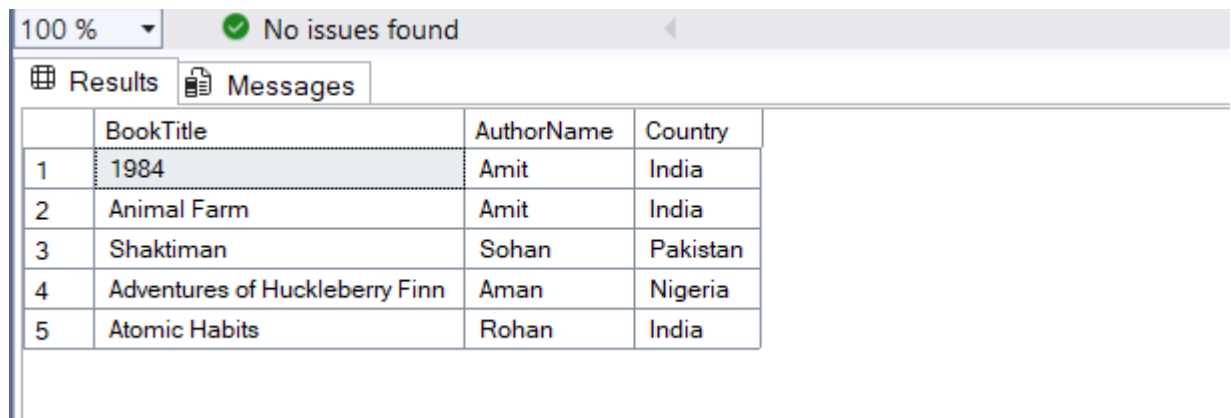
```
CREATE TABLE Book (  
    BookID INT PRIMARY KEY,  
    Title VARCHAR(100),  
    AuthorID INT,  
    FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID)  
);
```

```
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:



100 % No issues found

Results Messages

	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