



Experiment-1

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

2. Objective:

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

3. Code

```
CREATE TABLE TBL_AUTHOR  
(  
    AUTHOR_ID INT PRIMARY KEY,  
    AUTHOR_NAME VARCHAR(MAX),  
    COUNTRY VARCHAR(MAX)  
)
```

```
CREATE TABLE TBL_BOOKS  
(  
    BOOK_ID INT PRIMARY KEY,  
    BOOK_TITLE VARCHAR(MAX),  
    AUTHORID INT  
    FOREIGN KEY (AUTHORID) REFERENCES TBL_AUTHOR(AUTHOR_ID)  
)
```

```
SELECT B.BOOK_TITLE AS 'BOOK TITLE', A.AUTHOR_NAME, A.COUNTRY  
FROM TBL_BOOKS AS B  
INNER JOIN  
TBL_AUTHOR AS A  
ON  
B.AUTHORID = A.AUTHOR_ID
```