

Experiment 1

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PROBLEM STATEMENT

Create two tables: AUTHOR_table and BOOK_table. Insert sample data into both tables. Then, perform an INNER JOIN to display the BOOK_TITLE, AUTHOR_NAME, and COUNTRY of the books and their respective authors.

SOLUTION

```
-- Creating the AUTHOR_table
CREATE TABLE AUTHOR_table
(
    AUTHOR_ID INT PRIMARY KEY,
    AUTHOR_NAME VARCHAR(MAX),
    COUNTRY VARCHAR(MAX)
);

-- Creating the BOOK_table
CREATE TABLE BOOK_table
(
    BOOK_ID INT PRIMARY KEY,
    BOOK_TITLE VARCHAR(MAX),
    AUTHORID INT,
    FOREIGN KEY (AUTHORID) REFERENCES AUTHOR_table(AUTHOR_ID)
);

-- Inserting values into AUTHOR_table
INSERT INTO AUTHOR_table(AUTHOR_ID, AUTHOR_NAME, COUNTRY) VALUES
(1, 'RAJU', 'INDIA'),
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(2, 'PRAKASH', 'INDIA'),
(3, 'JOSEPH', 'USA');

-- Inserting values into BOOK_table
INSERT INTO BOOK_table(BOOK_ID, BOOK_TITLE, AUTHORID) VALUES (101,
'SWACH', 1),
(102, 'PREAM', 2),
(103, 'WARRIOR', 3);

-- Performing INNER JOIN to fetch required data
SELECT B.BOOK_TITLE, A.AUTHOR_NAME, A.COUNTRY
FROM BOOK_table AS B
INNER JOIN AUTHOR_table AS A
ON B.AUTHORID = A.AUTHOR_ID;
```

OUTPUT

Results		Messages	
	BOOK_TITLE	AUTHOR_NAME	COUNTRY
1	SWACH	RAJU	INDIA
2	PREAM	PRAKASH	INDIA
3	WARRIOR	JOSEPH	USA