

Experiment No 1.1:

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Subject Name: ADBMS

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1. Aim/Overview of the practical:

To design and implement two relational tables to store author and book details, establish a foreign key relationship, insert sample data, and perform an INNER JOIN to retrieve book titles along with the corresponding author names and their countries.

2. Theory:

Relational databases allow data to be stored in multiple tables that can be related using keys. The foreign key is used to establish a relationship between two tables. In this experiment:

Primary Key: A unique identifier for each record in a table.

Foreign Key: A field that creates a relationship between two tables.

INNER JOIN: A SQL operation that returns records having matching values in both tables.

Using INNER JOIN, we can link the books with their respective authors using the common author ID (aid in tbl_author and auth_id in tbl_book).

3. Result/Output/Writing Summary:

	bname	aname	acountry
1	book1	ram	India
2	book2	julie	France
3	book3	jack	Germany
4	book4	sham	USA
5	book5	sham	USA

Learning outcomes (What I have learnt):

1. Understood how to design relational tables using primary and foreign keys.
2. Learned to insert data into tables using INSERT statements.
3. Understood how to establish relationships between tables using foreign keys.
4. Learned how to use INNER JOIN to fetch related data from multiple tables.