



VINAYAK SAHU

1,3hr

# Create Author and Book Tables using DDL Commands

Score: 5 | Difficulty: easy

2

#### **Problem Statement**

You are tasked with designing a basic book management system. Create two tables — **Authors** and **Books** — to represent a one-to-many relationship (one author can write multiple books). Use proper **primary and foreign key constraints** while designing the schema.

### Input Format:

Table Authors with columns:

- author\_id(INT, Primary Key)
- name (VARCHAR(50))
- country (VARCHAR(50))

Table Books with columns:

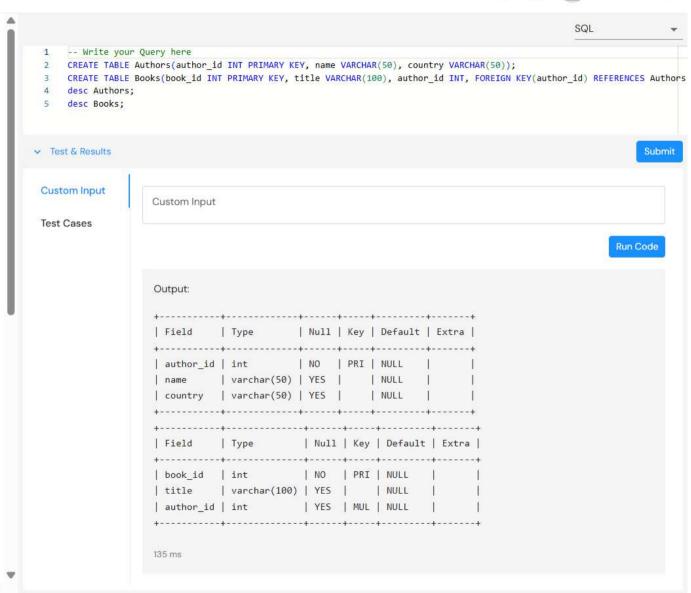
- book\_id (INT, Primary Key)
- title (VARCHAR(100))
- author\_id (INT, Foreign Key referencing Authors)

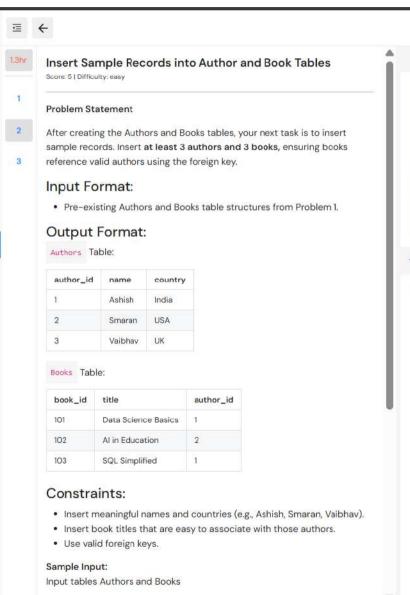
### **Output Format:**

 Authors and Books tables created. Print description of the table.

## Constraints:

 The author\_id in Books must exist in the Authors table.





Cample Outnote

```
-- Write your Query here
    insert into Authors(author_id, name, country)
    (1, 'Ashish', 'India'),
    (2, 'Smaran', 'USA'),
    (3, 'Vaibhav', 'UK');
    insert into Books(book_id, title, author_id)
10
    (101, 'Data Science Basics', 1),
    (102, 'AI in Education', 2),
12
    (103, 'SQL Simplified', 1);
    select * from Authors;
    select * from Books;
16

▼ Test & Results.

Custom Input
               Custom Input
Test Cases
               Output:
                +-----+
                | author id | name | country |
                +----+
                      1 | Ashish | India
                      2 | Smaran | USA
                      3 | Vaibhav | UK
                +-----+
                +----+
                +-----
                   101 | Data Science Basics |
                                             1 |
                   102 | AI in Education
                                              2 |
                   103 | SQL Simplified
                                             1 |
               +-----
               154 ms
```

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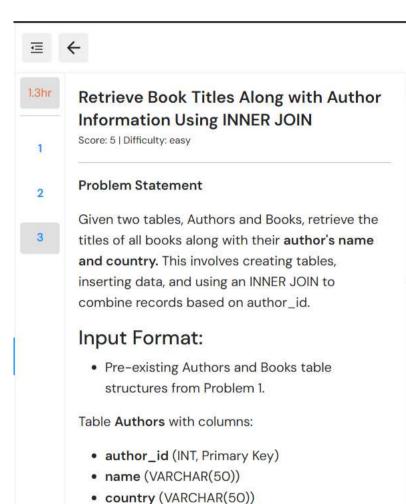


Table Books with columns:

title (VARCHAR(100))

Authors)

book\_id (INT, Primary Key)

· author\_id (INT, Foreign Key referencing

SQL -- Write your Query here 2 select Books.title, Authors.name, Authors.country from Books INNER JOIN Authors ON Books.author id = Authors.author id; 6 Test & Results Submit Custom Input Custom Input Test Cases Run Code Output: | title name country | Data Science Basics | Ashish | India AI in Education Smaran USA | SQL Simplified | Ashish | India +----+ 154 ms

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