EXPERIMENT 1

AIM -

Create Author and Book tables and insert sample records into author and book tables and then retrieve book titles along with author information using Inner Join.

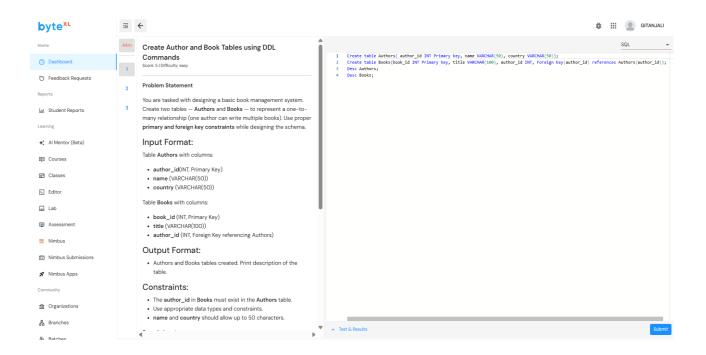
QUERY 1 –

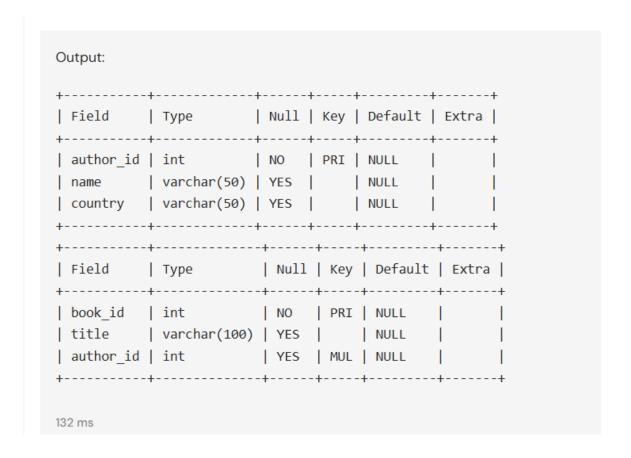
Create table Authors(author_id INT Primary Key, name VARCHAR(50), country VARCHAR(50));

Create table Books(book_id INT Primary Key, title VARCHAR(100), author_id INT, Foreign Key (author_id) references Authors(author_id));

Desc Authors;

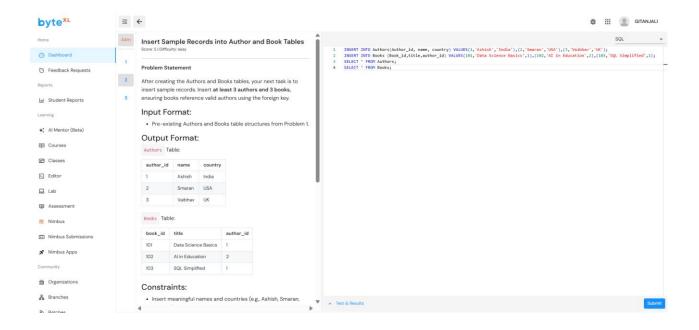
Desc Books;





QUERY 2 -

```
INSERT INTO Authors (Author_id, name, country)
VALUES
(1, 'Ashish', 'India'),
(2, 'Smaran', 'USA'),
(3, 'Vaibhav', 'UK');
-- Insert into Books table (match book_id values
exactly)
INSERT INTO Books (Book_id, title, author_id) VALUES
(101, 'Data Science Basics', 1),
(102, 'AI in Education', 2),
(103, 'SQL Simplified', 1);
-- Display the tables
SELECT * FROM Authors;
SELECT * FROM Books;
```



```
Output:
+----+
| author id | name | country |
+----+
      1 | Ashish | India
      2 | Smaran | USA
      3 | Vaibhav | UK
-----
+----+
| book_id | title
                  | author id |
   101 | Data Science Basics |
   102 | AI in Education
                           2
   103 | SQL Simplified
162 ms
```

QUERY 3 -

SELECT

B.title AS title,

A.name AS name,

A.country AS country

FROM

Books AS B

INNER JOIN

Authors AS A ON B.author_id = A.author_id;

