EXPERIMENT – 1

Create Authors and Books table using DDL, insert some sample records into Authors and Books table, retrieve data from Authors and Books table, display Book title with Author information Use Inner Join to fetch records.

1. Create Table Authors(Khushi), Books

```
postgres=# CREATE TABLE Khushi( author_id INT PRIMARY KEY, name VARCHAR(50), country VARCHAR(50));
CREATE TABLE
postgres=# CREATE TABLE Books(book_id INT PRIMARY KEY, title VARCHAR(50), author_id INT REFERENCES Khushi(author_id));
CREATE TABLE
```

2. Insert sample data in Khushi And books.

```
postgres=# insert into Khushi values (1, 'J.K. Rowling', 'UK'), (2, 'George Orwell', 'UK'), (3, 'Jane Austen', 'UK');
INSERT 0 3
```

```
postgres=# insert into Books values (101, 'Sorcerer Stone', 1), (102, 'Chamber Of Secrets', 1), (103, '1984', 2), (104, 'Animal Farm', 2), (105, 'Pride & Prejudice', 3);
INSERT 0 5
```

3. Retrieve data from Books and Khushi

```
postgres=# SELECT * FROM Khushi;
 author_id |     name      | country
-----------+---------------+---------
         1 | J.K. Rowling  | UK
         2 | George Orwell | UK
         3 | Jane Austen   | UK
(3 rows)


postgres=# SELECT * FROM Books;
 book_id |       title        | author_id
---------+--------------------+-----------
     101 | Sorcerer Stone     |         1
     102 | Chamber Of Secrets |         1
     103 | 1984               |         2
     104 | Animal Farm        |         2
     105 | Pride & Prejudice  |         3
(5 rows)
```

4. Display Book title with Author information Use Inner Join to fetch records.

```
postgres=# SELECT B.title AS "Book Title",  A.name AS "Author Name",  A.country AS "Country" FROM Books B INNER JOIN Khushi A ON B.author_id = A.author_id;
     Book Title     |  Author Name  | Country
--------------------+---------------+---------
 Sorcerer Stone     | J.K. Rowling  | UK
 Chamber Of Secrets | J.K. Rowling  | UK
 1984               | George Orwell | UK
 Animal Farm        | George Orwell | UK
 Pride & Prejudice  | Jane Austen   | UK
(5 rows)
```