Task 01

• Define a class called Complex to represent complex numbers. It has private member variables real and img to store the real and imaginary parts of the number, respectively.

• Implement public member functions - set data and get data to set and display the values of the complex number.

• Declare a friend function named sum that takes two Complex objects as parameters and returns a new Complex object that represents the sum of the two complex numbers.

• Inside the sum function, create a new Complex object c3 and assign the sum of the real and imaginary parts of the two input complex numbers to the corresponding members of c3.

• In the main function, create three Complex objects c1, c2, and c3. Set the data for c1 and c2 using the set data function.

• Call the sum function, passing c1 and c2 as arguments, and assign the returned object to c3.

• Display the sum of the complex numbers using the get data function.

Task 02

Create a class `LibraryBook` with private attributes `bookTitle`, `borrowerName`, and `borrowDays`. Then, create a 2x2 array of `LibraryBook` objects. Implement the following functions:

1. A function to set the attributes (`bookTitle`, `borrowerName`, and `borrowDays`) for each book in the 2D array.
2. A function to display the details of all books in the 2D array.
3. Implement a function that finds and displays the book with the longest borrowing period (i.e., the book that has been borrowed for the most number of days) from the 2D array.
4. A function to return the total number of books borrowed by a specific borrower from the 2D array.