S.No: 21	Exp. Name: ***Book Inventory***	Date:2025-10-23

ID: 24CS079

Aim:

A library is managing its book inventory. Each book has the following information: title, author, publication year, and quantity in stock. Implement a structure to represent a book and write a function to display the details of a book.

Input Format:

- The first line is a string representing the title of the book (can contain spaces).
- The second line is a string representing the author of the book (can contain spaces).
- The third line is an integer representing the publication year.
- The fourth line is an integer representing the quantity in stock.

Output Format:

The output displays the details of the book in the following order:

- Title of the book.
- Author of the book.
- Publication year.
- Quantity in stock.

Example:

Input:

```
Changing India
Dr. Manmohan Singh
2018
15
```

Output:

```
Changing India
Dr. Manmohan Singh
2018
15
```

Note:

- The main function is provided to you in the editor. You just need to fill in the required code.
- Refer to the sample test cases for a better understanding of the input and output format

Source Code:

bookInventory.c

```
#include <stdio.h>

// Definition of the Book structure
struct Book {
   char title[100];
char author[100];
int publicationYear;
int quantityInStock;
```

```
};

// Function to display the details of a book
void displayBookDetails( struct Book book1 ) {
   printf("%s\n", book1.title);
   printf("%s\n", book1.author);
   printf("%d\n", book1.publicationYear);
   printf("%d\n", book1.quantityInStock);

}


int main() {
   struct Book book1;


   scanf(" %[^\n]s", book1.title);
   scanf(" %[^\n]s", book1.author);

   scanf("%d", &book1.publicationYear);
   scanf("%d", &book1.quantityInStock);

   displayBookDetails(book1);

   return 0;
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Changing India
Dr. Manmohan Singh
2018
15
Changing India
Dr. Manmohan Singh
2018
15

Test Case - 2
User Output
The Call of History
Peter Baker
2019
6
The Call of History
Peter Baker
2019
6