

Q.) Create a Book Structure containing book-id, title, author name, and price. Write a C program to pass a Structure as a function argument and print the book details.

```
#include <stdio.h>
struct Book {
    int book_id;
    char title[100];
    char author[100];
    float price;
};
```

```
void displayBook(struct Book b) {
    printf("\n --- Book Details --- \n");
    printf("Title : %s\n", b.title);
    printf("Book ID : %d\n", b.book_id);
    printf("Author : %s\n", b.author);
    printf("Price : %.2f\n", b.price);
}
```

}

Remarks:

Teacher's Signature \_\_\_\_\_

```
int main() {  
    struct Book b1;  
    printf("Enter book ID :");  
    scanf("%d", &b1.book_id);  
    printf("Enter book title :");  
    scanf("%s", b1.title);  
    printf("Enter the author name :");  
    scanf("%s", b1.author);  
    printf("Enter the price :");  
    scanf("%f", &b1.price);  
    display Book(b1);  
    return 0;  
}
```

The screenshot shows a mobile application interface for running C code. The top bar includes icons for saving, brightness, sharing, and a blue "Run" button. The main area is divided into two sections: "main.c" on the left and "Output" on the right.

**main.c**

```
1 #include <stdio.h>
2
3 struct Book {
4     int book_id;
5     char title[100];
6     char author[100];
7     float price;
8 };
9
10 void display_Book(struct Book b) {
11     printf("\n--- Book Details ---\n");
12     printf("Book ID: %d\n", b.book_id);
13     printf("Title: %s\n", b.title);
14     printf("Author: %s\n", b.author);
15     printf("Price: %.2f\n", b.price);
16 }
17
18 int main() {
19     struct Book b1;
20
21     printf("Enter book ID: ");
22     scanf("%d", &b1.book_id);
23
24     // Consume the newline character left by scanf
25 }
```

**Output**

```
Enter book ID: 121
Enter book title: C Programming
Enter the author name: Brian
Enter the price: 1500

--- Book Details ---
Book ID: 121
Title: C Programming
Author: Brian
Price: 1500.00

== Code Execution Successful ==
```

The bottom of the screen features a dock with various iOS-style app icons, including Phone, Home, Messages, Safari, Calendar (showing Nov 5), Music, App Store, News, Wallet, and Settings.