

Create a structure named Book to store book details like title, author, and price. Write a C program to input details for three books, find the most expensive and the lowest priced books, and display their information

```
#include<stdio.h>

struct Book{
    char title[30];
    char author[70];
    float price;
};

struct Book books[3];

int main(){

    for(int i=0;i<3;i++){
        printf("Enter the details of Book - %d",i+1);
        printf("\nEnter the book title : ");
        scanf("%s",books[i].title);
        printf("\nEnter the author name : ");
        scanf("%s",books[i].author);
        printf("\nEnter the price of the book : ");
        scanf("%f",&books[i].price);
    }

    findExpensiveBook();
    findCheapestBook();

    return 0;
}

void findCheapestBook() {
    float min = books[0].price;
    int index = 0;
    for(int i = 1; i < 3; i++) {
        if(min > books[i].price) {
            min = books[i].price;
            index = i;
        }
    }
    printf("\nThe Cheapest book is %s" ,books[index].title);
}

void findExpensiveBook() {
    float max = books[0].price;
```

```

int index = 0;
for(int i = 1; i < 3; i++) {
    if(max < books[i].price) {
        max = books[i].price;
        index = i;
    }
}
printf("\nThe Expensive book is %s",books[index].title);

}

```

The screenshot shows the Programiz Online Compiler interface. The left sidebar contains icons for various programming languages: C, C++, Java, JavaScript, Python, PHP, and others. The main editor area is titled 'main.c' and contains the following C code:

```

1 //Create a structure named Book to store book details like title, author,
  and price. Write a C program to input details for three books, find the
  most expensive and the lowest priced books, and display their
  information
2
3 #include<stdio.h>
4
5 struct Book{
6     char title[30];
7     char author[70];
8     float price;
9 };
10
11 struct Book books[3];
12
13 int main(){
14
15     for(int i=0;i<3;i++){
16         printf("Enter the details of Book - %d",i+1);
17         printf("\nEnter the book title : ");
18         scanf("%s",books[i].title);
19         printf("\nEnter the author name : ");
20         scanf("%s",books[i].author);
21         printf("\nEnter the price of the book : ");
22         scanf("%f",&books[i].price);
23     }
24
25     findExpensiveBook();
26     findCheapestBook();
27

```

The right sidebar shows the 'Output' section with the following text:

```

/tmp/yQuynp5Bxi.o
Enter the details of Book - 1
Enter the book title : Book-1
Enter the author name : Carl
Enter the price of the book : 2345
Enter the details of Book - 2
Enter the book title : Book-2
Enter the author name : Madonna
Enter the price of the book : 5646
Enter the details of Book - 3
Enter the book title : Book-3
Enter the author name : Zovia
Enter the price of the book : 9876
The Expensive book is Book-3
The Cheapest book is Book-1

```