Library management system

Source Code

```c
#include<stdio.h>
#include<stdlib.h>
#include<string.h>
struct library
{
char bk_name[30];
char publisher[30];
float price;
};

int main()
{
struct library l[100];
char pb_nm[30],bk_nm[30];
int i,j, keepcount;
i=j=keepcount = 0;

printf("\n\n## Library Management ##\n");
while(j!=5)
{
printf("\n1. Add book information\n");
printf("2. Display All Books Available \n");
printf("3. Display Highest Price Book\n");
printf("4. Display list of Publishers\n");
printf("5. Exit");

printf ("\n\nEnter one of the above : ");
scanf("%d",&j);
```

```c
switch (j)
{
/* Add book */
case 1:

        printf ("Enter book name = ");
        scanf ("%s",l[i].bk_name);

        printf ("Enter publisher name = ");
        scanf ("%s",l[i].publisher);

        printf ("Enter price = ");
        scanf ("%f",&l[i].price);
        keepcount++;

        break;
case 2:
        printf("Display All Books Available\n");
        for(i=0;i<keepcount;i++)
        {
        printf ("\n book name = %s",l[i].bk_name);

        printf ("\t author name = %s",l[i].publisher);

        printf ("\t  price = %f",l[i].price);
        }
        break;

case 3:
        printf ("Highest Price Book : ");
float temp = 0;
```

```c
        for (i=0;i<keepcount;i++)
        {
            if(temp < l[i].price)
                temp = l[i].price;
        }
        printf("%f", temp);

        break;

case 4:
        printf ("List of Publishers : ");
        for (i=0;i<keepcount;i++)
        {
            printf ("\n %s ",l[i].publisher);
        }
        break;

case 5:
        exit (0);
}
}
return 0;
}
```

output

```
## Library Management ##

1. Add book information
2. Display All Books Available
3. Display Highest Price Book
4. Display list of Publishers
5. Exit

Enter one of the above : 1
Enter book name = twilight
Enter publisher name = stephenie
Enter price = 250

1. Add book information
2. Display All Books Available
3. Display Highest Price Book
4. Display list of Publishers
5. Exit

Enter one of the above : 2
Display All Books Available

 book name = twilight     author name = stephenie          price = 250.000000
1. Add book information
2. Display All Books Available
3. Display Highest Price Book
4. Display list of Publishers
5. Exit
```

```
Enter one of the above : 3
Highest Price Book : 250.000000
1. Add book information
2. Display All Books Available
3. Display Highest Price Book
4. Display list of Publishers
5. Exit

Enter one of the above : 4
List of Publishers :
 stephenie
1. Add book information
2. Display All Books Available
3. Display Highest Price Book
4. Display list of Publishers
5. Exit

Enter one of the above : 5


...Program finished with exit code 0
Press ENTER to exit console.
```