

LIBRARY BOOK MANAGEMENT SYSTEM

DESCRIPTION : Implement a program to manage book records(e, g., adding searching delete books)

REAL-WORLD APPLICATION : Used in small - scale library systems

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<string.h>

struct library
{
char bk_name[30];
char author[30];
int pages;
float price;
};

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

while(j!=6)
{
printf("\n\n1. Add book information\n2. Display book information\n");
printf("3. List all books of given author\n");
printf("4. List the title of specified book\n");
printf("5. List the count of books in the library\n");
printf("6. Exit");

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

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

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

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

printf ("Enter pages = ");
scanf ("%d",&l[i].pages);

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

break;
case 2:
printf("you have entered the following information\n");
for(i=0; i<keepcount; i++)
{
printf ("book name = %s",l[i].bk_name);

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

printf ("\t pages = %d",l[i].pages);

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

case 3:
printf ("Enter author name : ");
scanf ("%s",ar_nm);
for (i=0; i<keepcount; i++)
{
if (strcmp(ar_nm, l[i].author) == 0)
printf ("%s %s %d %f",l[i].bk_name,l[i].author,l[i].pages,l[i].price);
}
break;

case 4:
printf ("Enter book name : ");
scanf ("%s",bk_nm);
for (i=0; i<keepcount; i++)
{
if (strcmp(bk_nm, l[i].bk_name) == 0)
printf ("%s \t %s \t %d \t %f",l[i].bk_name,l[i].author,l[i].pages,l[i].price);
}
break;

case 5:
printf("\n No of books in library : %d", keepcount);
break;
case 6:

```

```
exit (0);  
  
}  
}  
return 0;
```

Output

- }1. Add book information
- 2. Display book information
- 3. List all books of given author
- 4. List the title of specified book
- 5. List the count of books in the library
- 6. Exit

Enter one of the above :