

```

1  #include<stdio.h>
2  #include<conio.h>
3  #include<stdlib.h>
4  #include<string.h>
5
6  struct library
7  {
8  char bk_name[30];
9  char author[30];
10 int pages;
11 float price;
12 };
13
14 int main()
15 {
16 struct library l[100];
17 char ar_nm[30],bk_nm[30];
18 int i,j, keepcount;
19 i=j=keepcount = 0;
20
21 while(j!=6)
22 {
23 printf("\n\n1. Add book information\n2. Display book information\n");
24 printf("3. List all books of given author\n");
25 printf("4. List the title of specified book\n");
26 printf("5. List the count of books in the library\n");
27 printf("6. Exit");
28
29 printf ("\n\nEnter one of the above : ");
30 scanf("%d",&j);
31
32 switch (j)
33 {
34 /* Add book */
35 case 1:
36
37 printf ("Enter book name = ");
38 scanf ("%s",l[i].bk_name);
39
40 printf ("Enter author name = ");
41 scanf ("%s",l[i].author);
42
43 printf ("Enter pages = ");
44 scanf ("%d",&l[i].pages);
45
46 printf ("Enter price = ");
47 scanf ("%f",&l[i].price);
48 keepcount++;
49
50 break;
51 case 2:
52 printf("you have entered the following information\n");
53 for(i=0; i<keepcount; i++)
54 {
55 printf ("book name = %s",l[i].bk_name);
56
57 printf ("\t author name = %s",l[i].author);
58
59 printf ("\t pages = %d",l[i].pages);
60
61 printf ("\t price = %f",l[i].price);
62 }
63 break;
64
65 case 3:
66 printf ("Enter author name : ");
67 scanf ("%s",ar_nm);
68 for (i=0; i<keepcount; i++)
69 {
70 if (strcmp(ar_nm, l[i].author) == 0)
71 printf ("%s %s %d %f",l[i].bk_name,l[i].author,l[i].pages,l[i].price);
72 }
73 break;
74
75 case 4:
76 printf ("Enter book name : ");
77 scanf ("%s",bk_nm);
78 for (i=0; i<keepcount; i++)
79 {

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```
80  if (strcmp(bk_nm, l[i].bk_name) == 0)
81  printf ("%s \t %s \t %d \t %f", l[i].bk_name, l[i].author, l[i].pages, l[i].price);
82  }
83  break;
84
85  case 5:
86  printf("\n No of books in library : %d", keepcount);
87  break;
88  case 6:
89  exit (0);
90
91  }
92  }
93  return 0;
94
95  }
96
```