#include <stdio.h>

#include <stdlib.h>

#include <string.h>

struct library

{char name[40];

char writer[40];

int tot\_pages;

float cost;};

int main()

{struct library lib[100];

char author[40], book[40];

int x,y,total;

x=y=total=0;

while (y!= 5)

{printf("\n\n E - L I B R A R Y\n");

printf("\n1. Total number of books in the library\n");

printf("2. Add info\n");

printf("3. Display book info\n");

printf("4. Books of the writer\n");

printf("5. Exit\n");

printf("\n\nYour option: ");

scanf("%d",&y);

switch (y)

{case 1:printf("\n No of books in library : %d",total);

break;

case 2:printf("Enter book name = ");

scanf("%s", lib[x].name);

printf("Enter writer= ");

scanf("%s", lib[x].writer);

printf("\nEnter pages = ");

scanf("%d", &lib[x].tot\_pages);

printf("Enter price = ");

scanf("%f", &lib[x].cost);

total++;

break;

case 3:for(x=0;x<total;x++)

{printf("book name = %s",lib[x].name);

printf("\t author name= %s",lib[x].writer);

printf("\t pages = %d",lib[x].tot\_pages);

printf("\t price = %f",lib[x].cost);}

break;

case 4:printf("Enter Author: ");

scanf("%s", author);

for (x=0;x<total;x++)

{if(strcmp(author,lib[x].writer)== 0)

printf("%s%s%d%f",lib[x].name,lib[x].writer,lib[x].tot\_pages,lib[x].cost);}

break;

case 5:exit(0);

}}

return 0;}