#include<stdio.h>

#include<string.h>

void header()

{

printf(" \n\t\t\t| |\n");

printf(" \n\t\t\t| :-WELCOME TO:- |\n");

printf(" \n\t\t\t| :-CSE C LIBRARY:- |\n");

printf(" \n\t\t\t| :-DAYANANDA SAGAR UNIVERSITY:- |\n");

printf(" \n\t\t\t| |\n");

}

struct list

{

char author[20];

char title[30];

float price;

struct

{

char month[10];

int year;

}date;

char publisher[10];

int quantity;

};

int search(struct list table[],char c1[],char c2[],int n);

void get(char string[]);

main()

{

int index,no\_of\_record;

char title[30],author[20];

char responce[10],quantity[10];

struct list book[]=

{

{

"A","C Language",245.00,"May",1977,"DEF",15

},

{

"B","Oxford Advanced Dictionary",550.00,"Jan",2001,"OUP",20

},

{

"C", "Beginning Java", 527.50,"Nov",2012,"WILEY",15

},

{

"D","Finite Automata",225.00,"Oct",2010,"TMH",10

},

{

"E","Programming in C",275.50,"july",1983,"REINHART",25

},

{

"F", "Software Engineering",310.00,"Jun",2011,"DEF",20

},

{

"G","Basic",268.00,"Jan",1984,"XYZ",20

},

{

"H", "Computer Networks",420.00,"Aug",2009,"TMH",15

},

{

"I","LEARNING IN PYTHON",260.00,"Dec",1988,"ABC",25

},

{

"J","Web Technologies",340.00,"Sep",2012,"XYZ",20

}

};

no\_of\_record=sizeof(book)/sizeof(struct list);

do

{

system("cls");

header();

printf("\n\n\n\n\t:- ENTER THE TITLE AND AUTHOR OF THE BOOK WHICH YOU WANT TO PURCHASE :- \n");

printf("\n\n\t:- TITLE :-");

get(title);

printf("\n\n\t:- AUTHOR :-");

get(author);

index=search(book,title,author,no\_of\_record);

if(index !=-1)

{

printf("\n\n YOUR DESIRE BOOK AVAILBLE IN THE STOCK.\n\n");

printf("[AUTHOR] [TITLE] [PRICE] [MONTH] [YEAR] [PUBLISHER]\n");

printf("\n%s %s %.2f %s %d %s \n\n",book[index].author,book[index].title,book[index].price,book[index].date.month,book[index].date.year,book[index].publisher);

printf("\n\n ENTER THE NUMBER OF COPIES:");

get(quantity);

if(atoi(quantity)<=book[index].quantity)

printf("\n\nCOST OF THE %d COPIES IS=%.2f\n ",atoi(quantity),book[index].price\*atoi(quantity));

else

printf("\n REQUIRED COPIES NOT IN THE STOCK \n\n");

}

else

printf("\n YOUR DESIRED BOOK IS NOT IN THE STOCK.\n\n");

printf("\n DO YOU WANT TO PURCHASE ANY OTHER BOOK ? (Y/N):");

get(response);

}

while(response[0]=='Y'||response[1]=='N');

printf("\n\n THANK YOU!\n Your total bill is %d");

}

void get(char string[])

{

char c;

int i=0;

do

{

c=getchar();

string[i++]=c;

}

while(c !='\n');

string[i-1]='\0';

}

int search(struct list table[],char c1[],char c2[],int n)

{

int i;

for(i=0;i<n;i++)

if(strcmp(c1,table[i].title)==0 && strcmp(c2,table[i].author)==0)

return(i);

return(-1);

}