```cpp
#include<iostream.h>
#include<conio.h>
#include<string.h>
#include<process.h>
#include<ctype.h>

int bk_no=1000;
int n=0;

//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
class stock
{
private:
 int   bk_no;
 float price;
 char  pub[20],aut[20],title[20];
 int   noc;
public:
  stock()
  {
  strcpy(pub,"Not Assigned");
  strcpy(pub,"Not Assigned");
  strcpy(pub,"Not Assigned");
  noc=0;
  }
//_____//
  void enter()
  {
  bk_no=::bk_no++;
  cout<<"\nEnter book title:\t";        cin>>title;
  cout<<"\nEnter book price:\t";        cin>>price;
  cout<<"\nEnter author name:\t";    cin>>aut;
  cout<<"\nEnter publisher name:\t"; cin>>pub;
  cout<<"\nEnter stock:";              cin>>noc;
  }
//...........................................................................................//
  void display()
  {
  cout<<"\nbook title:\t";              cout<<title;
  cout<<"\nbook price:\t";              cout<<price;
  cout<<"\nauthor name:\t";             cout<<aut;
  cout<<"\npublisher name:\t";          cout<<pub;
  }
//_____//
```

```cpp
//_____//
void gettitle(char A[])
 {
 strcpy(A,title);
 }
//...........................................................................//
 void getaut(char A[])
 {
 strcpy(A,aut);
 }
//...........................................................................//
 void checkcopies(int A)
 {
 if(A>noc)
        cout<<"\nSorry These Many Copies Are Not Availible";
 else
  {
  cout<<"\nDone\n Total Amount=\t"<<price*A;
  noc-=A;
  }
 }
//_____//
 ~stock()
 {
 cout<<"\ndestructing";
 }
};
///////////////////////////////////////////////////////////////////////////////////////////////////////////////




//********************************Void Main()********************************//
void main()
{
clrscr();
int ch;
stock S[100];
 do
 {
 cout<<"\n\nMain Menu\n"
        <<"\n1)\tAdd A Book"
        <<"\n2)\tDisplay A Book"
        <<"\n3)\tSell A Book"
                <<"\n4)\tExit"
                <<"\n\nEnter Choice...";   cin>>ch;
    switch(ch)
    {
    case 1:
        S[n++].enter();
        break;
```

```cpp
      case 2:
       {
            char A[20],B[20],temp1[20],temp2[20];
            cout<<"\nEnter Title\t";      cin>>A;
            cout<<"\nEnter  Author\t";  cin>>B;
            for(int i=0;i<n;i++)
            {
               S[i].gettitle(temp1);
               S[i].getaut(temp2);
               if(strcmpi(A,temp1)==0)
                    if(strcmpi(B,temp2)==0)
                      break;
            }
            if(i<n)
            S[i].display();
            else
              cout<<"sorry book was not found";
            break;
       }
      case 3:
            {
            char A[20],B[20],temp1[20],temp2[20];
            int noc;
            cout<<"\nEnter Title\t";      cin>>A;
            cout<<"\nEnter  Author\t";  cin>>B;
            for(int i=0;i<n;i++)
            {
               S[i].gettitle(temp1);
               S[i].getaut(temp2);
               if(strcmpi(A,temp1)==0)
                    if(strcmpi(B,temp2)==0)
                      break;
            }
            if(i<n)
            {
            S[i].display();
            cout<<"\nenter no of copies\t";    cin>>noc;
            S[i].checkcopies(noc);
            }
            else
              cout<<"\n sorry book not found";
            break;
       }
      case 4:
          exit(0);
          break;

      default:
          cout<<"Invalid Choice";
}
```

```
    cout<<"\n\nPress 'Y' to Continue...";

  }while(toupper(getche())=='Y');
}
//*****************************End Of Main*********************************//
```

OUTPUT


```
Main Menu

1)      Add A Book
2)      Display A Book
3)      Sell A Book
4)      Exit

Enter Choice...1

Enter book title:      hp

Enter book price:      100

Enter author name:     jkr

Enter publisher name:  nnn

Enter stock:150


Press 'Y' to Continue...y
Main Menu

1)      Add A Book
2)      Display A Book
3)      Sell A Book
4)      Exit

Enter Choice...2

Enter Title     hp

Enter  Author   jkr

book title:      hp
book price:      100
author name:     jkr
publisher name: nnn

Press 'Y' to Continue...
```

```
Press 'Y' to Continue...y

Main Menu

1)      Add A Book
2)      Display A Book
3)      Sell A Book
4)      Exit
Press 'Y' to Continue...y

Main Menu

1)      Add A Book
2)      Display A Book
3)      Sell A Book
4)      Exit

Enter Choice...3

Enter Title      hp

Enter  Author    jkr

book title:      hp
book price:      100
author name:     jkr
publisher name: nnn
enter no of copies       100

Done
 Total Amount=  10000

Press 'Y' to Continue..._
```