```
#include<iostream>
#include<cstring>
using namespace std;
int n;

class books{
   private:
   char *tt;
   char *auth;
   char *pub;
   int price;
   int   sp;

   public:
   void accept();
   void display();
   void buy(int n);
   books();
   ~books()
   {
      delete tt;
      delete auth;
      delete pub;
      cout<<"record cleared\n";
   }


}b[10];
books :: books(){
   tt=new char;
   auth=new char;
   pub=new char;
   strcpy(tt,"empty");
   strcpy(auth,"empty");
   strcpy(pub,"empty");
   price=1;
   sp=1;
}

void books::accept()
{
   cout<<"enter the title author publisher price and stock position of the books ";
   cin>>tt>>auth>>pub>>price>>sp;
```

```
}
void books::display()
{
   cout<<"\n"<<tt<<"\t"<<auth<<"\t"<<pub<<"\t"<<price<<"\t"<<sp;

}
void books :: buy(int n)
{   int f=0,cp,f1=0,total;
   char *title,*author;
   title=new char;
   author=new char;
   cout<<"enter title and author";
   cin>>title>>author;
   for(int i=0;i<n;i++)
   {
      if(strcmp(title,b[i].tt)==0 && strcmp(author,b[i].auth)==0)

      {
         f=1;
         cout<<"enter number of copies";
         cin>>cp;
         if(cp<=b[i].sp)
         {
          f1=1;
          total=b[i].price*cp;
          b[i].sp-=cp;
          cout<<"total cost is"<<total;

         }
         break;

      }

   }
   if(f==0)
   {
      cout<<"book not available";
   }
   if(f==1&&f1==0)
   {
      cout<<"book is available but not sufficient copies";

   }
}
```

```
int main()
{
    int choice;


    while (true) {
        cout << "\nMenu:\n";
        cout << "1. Add Book data\n";
        cout << "2. Display Books\n";
        cout << "3. Buy Book\n";
        cout << "4. Exit\n";
        cout << "Enter your choice: ";
        cin >> choice;

        switch (choice) {
            case 1:
            cout<<"enter the no of books you want to enter";
            cin>>n;
                for (int i = 0; i < n; i++) {
                    b[i].accept();
                }
                break;

            case 2:
                for (int i = 0; i <10; i++) {
                    b[i].display();
                }
                break;

            case 3:
                b[0].buy(n);
                break;

            case 4:
                return 0;

            default:
                cout << "Invalid choice. Please try again.\n";
        }
    }
    return 0;
}
```