```
23      int search(char[],char[]);
24      void buybook();
25
26  };
27
28 ▾ void book::feeddata()   {
29      cin.ignore();
30      cout<<"\nEnter Author Name: ";      cin.getline(author,20);
31      cout<<"Enter Title Name: ";         cin.getline(title,20);
32      cout<<"Enter Publisher Name: ";     cin.getline(publisher,20);
33      cout<<"Enter Price: ";              cin>>*price;
34      cout<<"Enter Stock Position: ";     cin>>*stock;
35
36  }
37
38 ▾ void book::editdata()   {
39
40      cout<<"\nEnter Author Name: ";      cin.getline(author,20);
41      cout<<"Enter Title Name: ";         cin.getline(title,20);
42      cout<<"Enter Publisher Name: ";     cin.getline(publisher,20);
43      cout<<"Enter Price: ";              cin>>*price;
44      cout<<"Enter Stock Position: ";     cin>>*stock;
45
46  }
47
48 ▾ void book::showdata()   {
```

```
/tmp/DmhapwulD7.o
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 1
Enter Author Name: hvggk
Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully
```

```
119              }
120              if(t==i)
121              cout<<"\nThis Book is Not in Stock";
122              break;
123
124         case 4: cin.ignore();
125              cout<<"\nEnter Title Of Book: "; cin.getline(titlebuy,20);
126              cout<<"Enter Author Of Book: ";  cin.getline(authorbuy,20);
127
128              for(t=0;t<i;t++)    {
129                  if(B[t]->search(titlebuy,authorbuy))    {
130                      cout<<"\nBook Found Successfully";
131                      B[t]->editdata();
132                      break;
133                  }
134              }
135              if(t==i)
136              cout<<"\nThis Book is Not in Stock";
137              break;
138
139         case 5: exit(0);
140         default: cout<<"\nInvalid Choice Entered";
141
142     }
143 }
```

```
/tmp/DmhapwulD7.o
MENU
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3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 1
Enter Author Name: hvggk
Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully
```

2

```
93          B[i]->feeudata();
94          i++;     break;
95
96     case 2: cin.ignore();
97          cout<<"\nEnter Title Of Book: "; cin.getline(titlebuy,20);
98          cout<<"Enter Author Of Book: ";  cin.getline(authorbuy,20);
99          for(t=0;t<i;t++)    {
100            if(B[t]->search(titlebuy,authorbuy))    {
101               B[t]->buybook();
102               break;
103            }
104         }
105         if(t==1)
106         cout<<"\nThis Book is Not in Stock";
107
108         break;
109    case 3: cin.ignore();
110         cout<<"\nEnter Title Of Book: "; cin.getline(titlebuy,20);
111         cout<<"Enter Author Of Book: ";  cin.getline(authorbuy,20);
112
113         for(t=0;t<i;t++)    {
114            if(B[t]->search(titlebuy,authorbuy))    {
115               cout<<"\nBook Found Successfully";
116               B[t]->showdata();
117               break;
```

/tmp/DmhapwulD7.o
MENU
1. Entry of New Book
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Enter your Choice: 1
Enter Author Name: hvggk
Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully

```cpp
71          cout<<"\nAmount: Rs. "<<(*price)*count;
72      }
73      else
74          cout<<"\nRequired Copies not in Stock";
75  }
76
77 - int main()  {
78      book *B[20];
79      int i=0,r,t,choice;
80      char titlebuy[20],authorbuy[20];
81 -    while(1)    {
82          cout<<"\n\n\t\tMENU"
83          <<"\n1. Entry of New Book"
84          <<"\n2. Buy Book"
85          <<"\n3. Search For Book"
86          <<"\n4. Edit Details Of Book"
87          <<"\n5. Exit"
88          <<"\n\nEnter your Choice: ";
89          cin>>choice;
90
91 -        switch(choice)  {
92              case 1: B[i] = new book;
93                  B[i]->feeddata();
94                  i++;    break;
95
```

```
/tmp/Dmhapwu1D7.o
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 1
Enter Author Name: hvggk
Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully
```

4

```cpp
48 ▾ void book::showdata()    {
49        cout<<"\nAuthor Name: "<<author;
50        cout<<"\nTitle Name: "<<title;
51        cout<<"\nPublisher Name: "<<publisher;
52        cout<<"\nPrice: "<<*price;
53        cout<<"\nStock Position: "<<*stock;
54
55  }
56
57 ▾ int book::search(char tbuy[20],char abuy[20] )  {
58        if(strcmp(tbuy,title)==0 && strcmp(abuy,author)==0)
59            return 1;
60        else return 0;
61
62  }
63
64 ▾ void book::buybook()    {
65        int count;
66        cout<<"\nEnter Number Of Books to buy: ";
67        cin>>count;
68 ▾      if(count<=*stock)   {
69            *stock=*stock-count;
70            cout<<"\nBooks Bought Sucessfully";
71            cout<<"\nAmount: Rs. "<<(*price)*count;
72        }
```

```
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Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
MENU
1. Entry of New Book
2. Buy Book
3. Search For Book
4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully
```

```
1  #include<iostream>
2  #include<string.h>
3  #include<stdlib.h>
4
5  using namespace std;
6
7  class book  {
8  private:
9      char *author,*title,*publisher;
10     float *price;
11     int *stock;
12 public:
13     book()  {
14     author= new char[20];
15     title=new char[20];
16     publisher=new char[20];
17     price= new float;
18     stock=new int;
19     }
20     void feeddata();
21     void editdata();
22     void showdata();
23     int search(char[],char[]);
24     void buybook();
25
```

```
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Enter Publisher Name: cfgc
Enter Price: 90
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MENU
1. Entry of New Book
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4. Edit Details Of Book
5. Exit

Enter your Choice: 3
Enter Title Of Book: ggfyt
Enter Author Of Book: hvggk
Book Found Successfully
```