```
▲ /tmp/DmhapwulD7.o
24
        void buybook();
                                                                                     MENU
25
                                                                                     1. Entry of New Book
26 };
                                                                                     2. Buy Book
27
                                                                                     3. Search For Book
28 - void book::feeddata() {
                                                                                     4. Edit Details Of Book
      cin.ignore();
29
                                                                                     5. Exit
       cout<<"\nEnter Author Name: ";</pre>
                                           cin.getline(author,20);
30
31
       cout<<"Enter Title Name: ";</pre>
                                          cin.getline(title,20);
                                                                                   Enter your Choice: 1
       cout<<"Enter Publisher Name: ";</pre>
                                         cin.getline(publisher,20);
32
                                                                                     Enter Author Name: hvggk
       cout<<"Enter Price: ";</pre>
                                          cin>>*price;
33
                                                                                     Enter Title Name: ggfyt
       cout<<"Enter Stock Position: "; cin>>*stock;
34
                                                                                     Enter Publisher Name: cfgc
35
                                                                                     Enter Price: 90
36 }
                                                                                     Enter Stock Position: 5
                                                                                     MENU
38 - void book::editdata() {
                                                                                     1. Entry of New Book
39
                                                                                     2. Buy Book
40
       cout<<"\nEnter Author Name: ";</pre>
                                           cin.getline(author,20);
                                                                                     3. Search For Book
       cout<<"Enter Title Name: ";</pre>
                                          cin.getline(title,20);
41
                                                                                     4. Edit Details Of Book
       cout<<"Enter Publisher Name: "; cin.getline(publisher,20);</pre>
42
                                                                                     5. Exit
43
       cout<<"Enter Price: ";
                                          cin>>*price;
       cout<<"Enter Stock Position: "; cin>>*stock;
44
                                                                                     Enter your Choice: 3
45
                                                                                     Enter Title Of Book: ggfyt
46 }
                                                                                     Enter Author Of Book: hvggk
47
                                                                                   Book Found Successfully
48 - void book::showdata() {
```

```
▲ /tmp/DmhapwulD7.o
119
120
                     if(t==i)
                     cout<<"\nThis Book is Not in Stock";</pre>
                                                                                        1. Entry of New Book
121
122
                     break;
                                                                                        2. Buy Book
                                                                                        3. Search For Book
123
124
                 case 4: cin.ignore();
                                                                                        4. Edit Details Of Book
                     cout<<"\nEnter Title Of Book: "; cin.getline(titlebuy,20);</pre>
                                                                                        5. Exit
125
                     cout<<"Enter Author Of Book: "; cin.getline(authorbuy,20);</pre>
126
                                                                                        Enter your Choice: 1
127
128 *
                     for(t=0;t<i;t++) {
                                                                                        Enter Author Name: hvggk
129 -
                         if(B[t]->search(titlebuy,authorbuy)) {
                                                                                        Enter Title Name: ggfyt
                                                                                        Enter Publisher Name: cfgc
                             cout<<"\nBook Found Successfully";</pre>
130
                             B[t]->editdata();
                                                                                        Enter Price: 90
131
                                                                                        Enter Stock Position: 5
132
                             break;
133
                         }
                                                                                        MENU
                                                                                        1. Entry of New Book
134
135
                     if(t==i)
                                                                                        2. Buy Book
                     cout<<"\nThis Book is Not in Stock";</pre>
                                                                                        3. Search For Book
136
                                                                                        4. Edit Details Of Book
137
                     break;
                                                                                        5. Exit
138
139
                 case 5: exit(0);
                                                                                        Enter your Choice: 3
140
                 default: cout<<"\nInvalid Choice Entered";</pre>
                                                                                        Enter Title Of Book: ggfyt
141
                                                                                        Enter Author Of Book: hvggk
142
                                                                                        Book Found Successfully
143
```

```
b[1]->Teeuuata();
                                                                                                  ▲ /tmp/DmhapwulD7.o
 94
                        i++; break;
                                                                                                    MENU
 95
                                                                                                    1. Entry of New Book
                   case 2: cin.ignore();
                                                                                                    2. Buy Book
                        cout<<"'nEnter Title Of Book: "; cin.getline(titlebuy,20);
cout<<"Enter Author Of Book: "; cin.getline(authorbuy,20);</pre>
 97
                                                                                                    3. Search For Book
                                                                                                    4. Edit Details Of Book
 99 +
                        for(t=0;t<i;t++) {
                                                                                                    5. Exit
                            if(B[t]->search(titlebuy,authorbuy)) {
101
                                 B[t]->buybook();
                                                                                                    Enter your Choice: 1
                                 break;
                                                                                                    Enter Author Name: hvggk
103
                                                                                                    Enter Title Name: ggfyt
104
                                                                                                    Enter Publisher Name: cfgc
105
                        if(t==1)
                                                                                                    Enter Price: 90
                        cout<<"\nThis Book is Not in Stock";</pre>
106
                                                                                                    Enter Stock Position: 5
107
                                                                                                    MENU
108
                                                                                                     1. Entry of New Book
109
                   case 3: cin.ignore();
                                                                                                    2. Buy Book
                        cout<<"\nEnter Title Of Book: "; cin.getline(titlebuy,20);
cout<<"Enter Author Of Book: "; cin.getline(authorbuy,20);</pre>
110
                                                                                                    3. Search For Book
111
                                                                                                    4. Edit Details Of Book
112
                                                                                                  5. Exit
                        for(t=0;t<i;t++) {
113 -
                            if(B[t]->search(titlebuy,authorbuy))
    cout<<"\nBook Found Successfully";</pre>
114 -
                                                                                                    Enter your Choice: 3
115
                                                                                                    Enter Title Of Book: ggfyt
                                 B[t]->showdata();
116
                                                                                                    Enter Author Of Book: hvggk
117
                                 break;
                                                                                                    Book Found Successfully
```

```
▲ /tmp/DmhapwulD7.o
           cout<<"\nAmount: Rs. "<<(*price)*count;</pre>
71
                                                                                     MENU
72
                                                                                     1. Entry of New Book
73
        else
                                                                                     2. Buy Book
           cout<<"\nRequired Copies not in Stock";</pre>
74
                                                                                     3. Search For Book
75 }
                                                                                     4. Edit Details Of Book
76
                                                                                     5. Exit
77 - int main() {
     book *B[20];
78
                                                                                     Enter your Choice: 1
        int i=0,r,t,choice;
79
                                                                                     Enter Author Name: hvggk
80
        char titlebuy[20],authorbuy[20];
                                                                                     Enter Title Name: ggfyt
81 -
      while(1) {
                                                                                     Enter Publisher Name: cfgc
        cout<<"\n\n\t\tMENU"
82
                                                                                     Enter Price: 90
           <<"\n1. Entry of New Book"
83
          <<"\n2. Buy Book"
<<"\n3. Search For Book"
                                                                                     Enter Stock Position: 5
84
                                                                                     MENU
85
                                                                                     1. Entry of New Book
         <<"\n4. Edit Details Of Book"
                                                                                     2. Buy Book
87
           <<"\n5. Exit"
                                                                                     3. Search For Book
           <<"\n\nEnter your Choice: ";
88
                                                                                     4. Edit Details Of Book
89
          cin>>choice;
                                                                                     5. Exit
90
91 -
            switch(choice) {
                                                                                     Enter your Choice: 3
               case 1: B[i] = new book;
B[i]->feeddata();
92
                                                                                     Enter Title Of Book: ggfyt
93
                                                                                     Enter Author Of Book: hvggk
                   i++; break;
94
                                                                                     Book Found Successfully
```

```
48 - void book::showdata() {
49          cout<<"\nAuthor Name: "<<author;
50          cout<<"\nTitle Name: "<<title;
                                                                                                                              /tmp/DmhapwulD7.o
                                                                                                                                MENU
                                                                                                                                1. Entry of New Book
          51
                     cout<<"\nPublisher Name: "<<publisher;</pre>
                                                                                                                                2. Buy Book
                     cout<<"\nPrice: "<<*price;
cout<<"\nStock Position: "<<*stock;
          52
                                                                                                                                3. Search For Book
          53
                                                                                                                                4. Edit Details Of Book
                                                                                                                                5. Exit
                                                                                                                                Enter your Choice: 1
                                                                                                                                Enter Your Choice. F
Enter Author Name: hvggk
Enter Title Name: ggfyt
Enter Publisher Name: cfgc
Enter Price: 90
Enter Stock Position: 5
          57 - int book::search(char tbuy[20],char abuy[20] ) {
                     if(strcmp(tbuy,title)==0 && strcmp(abuy,author)==0)
                          return 1;
          60
                     else return 0;
          61
                                                                                                                                MENU
          62 }
                                                                                                                                1. Entry of New Book
          63

    Buy Book
    Search For Book

          64 - void book::buybook() {
5
          65
                     int count;
                                                                                                                                4. Edit Details Of Book
                     cout<<"\nEnter Number Of Books to buy: ";</pre>
          66
                                                                                                                                5. Exit
          67
                     cin>>count;
                     if(count<=*stock) {
    *stock=*stock-count;</pre>
          68 -
                                                                                                                                Enter your Choice: 3
Enter Title Of Book: ggfyt
          69
                          cout<<"\nBooks Bought Sucessfully";
cout<<"\nAmount: Rs. "<<(*price)*count;
          70
                                                                                                                                Enter Author Of Book: hvggk
          71
                                                                                                                                Book Found Successfully
```

```
1 #include<iostream>
                                                                                   /tmp/DmhapwulD7.o
2 #include<string.h>
                                                                                   MENU
3 #include<stdlib.h>
                                                                                   1. Entry of New Book
                                                                                   2. Buy Book
5 using namespace std;
                                                                                 3. Search For Book
                                                                                   4. Edit Details Of Book
7 - class book {
                                                                                   5. Exit
8 private:
      char *author,*title,*publisher;
                                                                                   Enter your Choice: 1
10
       float *price;
                                                                                   Enter Author Name: hvggk
       int *stock;
                                                                                   Enter Title Name: ggfyt
11
                                                                                   Enter Publisher Name: cfgc
12 public:
                                                                                   Enter Price: 90
13+
     book() {
                                                                                   Enter Stock Position: 5
       author= new char[20];
14
       title=new char[20];
15
                                                                                   MENU
       publisher=new char[20];
16
                                                                                   1. Entry of New Book
17
       price= new float;
                                                                                   2. Buy Book
       stock=new int;
                                                                                   3. Search For Book
18
                                                                                   4. Edit Details Of Book
19
20
       void feeddata();
                                                                                   5. Exit
21
       void editdata();
                                                                                   Enter your Choice: 3
Enter Title Of Book: ggfyt
22
       void showdata();
23
       int search(char[],char[]);
       void buybook();
                                                                                   Enter Author Of Book: hvggk
                                                                                 Book Found Successfully
25
```