# PROGRAM :

```cpp
#include<iostream.h>
#include<conio.h>
#include<string.h>
class data
{
char title[50];
char author[50];
static int id;
int Stock;
char publisher[50];
public:
void gettitle()
{
cout<<"Enter the title of the book:"<<endl;
cin>>title;
}
public:
void getauthor()
{
cout<<"Enter the author of the book:"<<endl;
cin>>author;
}
public:
void getID()
{
cout<<"Enter the unique ID of the book:"<<endl;
cin>>id;
```

```cpp
}
public:
void stock()
{
cout<<"Enter the stock of the book:"<<endl;
cin>>Stock;
}
public:
void publish()
{
cout<<"Enter the publisher name:"<<endl;
cin>>publisher;
}
};
class editdata:public data
{
public:
char title1[50];
char author1[50];
int id1,Stock1,n1;
char publisher1[50];
public:
void gettitle1()
{
cout<<"Enter the title of the book:"<<endl;
cin>>title1;
}
protected:
void getauthor1()
```

```cpp
{
cout<<"Enter the author of the book:"<<endl;
cin>>author1;
}
public:
 inline void getID1()
{
cout<<"Enter the unique ID of the book:"<<endl;
cin>>id1;
cout<<"No.of.copies you want:"<<endl;
cin>>n1;
}
public:
void stock1()
{
cout<<"Enter the stock of the book:"<<endl;
cin>>Stock1;
}
public:
void publish1()
{
cout<<"Enter the publisher name:"<<endl;
cin>>publisher1;
}
public:
void show()
{
cout<<"""AFTER EDITING BOOK DETAILS"""<<endl;
cout<<"1.Title of the book: "<<"rdsharma"<<endl;
```

```cpp
cout<<"3.Publisher of the book: "<<publisher1<<endl;

cout<<"4.ID of the book: "<<id1<<endl;

cout<<"5.stock of the book: " <<Stock1<<endl;

cout<<"6.No.of.copies: "<<n1<<endl;

}

};

class search: public editdata

{

public:

void searchbook()

{}

int search::searchbook(char tbuy[20], char abuy[20])

{

if( strcmp(tbuy,title1)==0 &&strcmp (abuy,author1)==0)

{

return 1;

}

else

{

return 0;

}}

};

class buy : public search

{

int count,price,stock;

public:

buy()

{

cout<<"Enter the stocks of the books:"<<endl;
```

```cpp
cin>>stock;

cout<<"Enter the no of copies of the book:"<<endl;

cin>>count;

cout<<"Enter the price of the book:"<<endl;

cin>>price;

}

void buybook()

{

searchbook();

if(count<=stock)

{

cout<<"Book bought sucessfully"<<endl;

cout<<"Total amount is:"<<price*count<<endl;

}

else

{

cout<<"Required copies are not in stock"<<endl;

}

}

};

int data::id;

int main()

{

clrscr();

buy b[1];

search s;

int i=0,t,choice;

char titlebuy[200],authorbuy[300];

cout<<"*****A ONE BOOKSHOP MANAGEMENT*****"<<endl;
```

```cpp
cout<<" 1.Entry of new book "<<endl;
cout<<" 2.TO  Buyy  a  book"<<endl;
cout<<" 3.Search  for  books"<<endl;
cout<<" 4.Edit details of the book "<<endl;
cout<<" 5.Exit"<<endl;
do
{
cout<<"Enter your choice"<<endl;
cin>>choice;
switch(choice)
{
case 1:
b[i].gettitle();
b[i].getauthor();
b[i].getID();
b[i].publish();
cout<<"The Entry of the book done successfully"<<endl;
break;
case 2:
cout<<"Enter the title of the book:"<<endl;
cin>>titlebuy;
cout<<"Enter the author of the book:"<<endl;
cin>>authorbuy;

for(t=0;t<1;t++)
{
b[t].buybook();
}
if(t!=1)
```

```cpp
cout<<"This book is not in stock"<<endl;
break;
case 3:
cout<<"Enter the title of the book:"<<endl;
cin>>titlebuy;
cout<<"Enter the author of the book:"<<endl;
cin>>authorbuy;
for(t=0;t<1;t++)
{
if(b[t].searchbook(titlebuy,authorbuy))
{
cout<<"This book found successfully"<<endl;
break;
}}
if(t!=i)
cout<<"This book is not in stock"<<endl;
break;
case 4:
cout<<".....Edit the details of the book and given data.....”<<endl;
b[t].gettitle1();
b[i].getID1();
b[i].stock1();
b[i].publish1();
cout<<"Details of the book edited successfully"<<endl;
b[i].show();
break;

}
 }
```

```
while(choice!=5);

cout<<"Thank you! we wish you get good service.……"<<endl;

getch();

return 0;

}
```

## OUTPUT:

```
Enter the stocks of the books:
50
Enter the no of copies of the book:
46
Enter the price of the book:
89
*****A ONE BOOKSHOP MANAGEMENT*****
 1.Entry of new book
 2.TO Buyy a book
 3.Search for books
 4.Edit details of the book
 5.Exit
Enter your choice
1
Enter the title of the book:
mathmission
Enter the author of the book:
gupta
Enter the unique ID of the book:
45
Enter the publisher name:
levi
The Entry of the book done successfully
Enter your choice
```

```
Enter your choice
2
Enter the title of the book:
rdsharma
Enter the author of the book:
sharma
Book bought sucessfully
Total amount is:4094
Enter your choice
3
Enter the title of the book:
mathmission
Enter the author of the book:
gupta
This book is not in stock
Enter your choice
```

```
 5.Exit
Enter your choice
4
.....Edit the details of the book and given data.....
Enter the title of the book:
rdsharma
Enter the unique ID of the book:
78
No.of.copies you want:
32
Enter the stock of the book:
55
Enter the publisher name:
ken
Details of the book edited successfully
AFTER EDITING BOOK DETAILS
1.Title of the book: rdsharma
3.Publisher of the book: ken
4.ID of the book: 78
5.stock of the book: 55
6.No.of.copies: 32
Enter your choice
5
Thank you! we wish you get good service.....
```