```cpp
1: #include<iostream>
2: #include<stdlib.h>
3: using namespace std;
4: int id=1001;
5: class Publisher
6: {
7: int Bookno;
8: char Title[20];
9: char Author [10];
10: float Price;
11: float Totamt;
12: float calculate (int);
13: public:
14: Publisher()
15: {Bookno=id;
16: Title[0]='\0';
17: Author[0]='\0';
18: Price=0;
19: Totamt=0;
20: id++;
21: }
22: void Readdata();
23: void Displaydata();
24: };
25: void Publisher::Readdata()
26: {
27: int nocopies;
28: cout<<"Enter the Title name ";cin>>Title;
29: cout<<"Enter the Author name ";cin>>Author;
30: cout<<"Enter the Price ";cin>>Price;
31: cout<<"Enter the Number of copies ";cin>>nocopies;
32: Totamt=calculate(nocopies);
33: }
34: float Publisher::calculate(int x)
35: {
36: return x*Price;
37: }
38: void Publisher::Displaydata()
39: {
40: cout<<"\n\t\tABC PUBLISHERS\n";
41: cout<<"\t\t~~~~~~~~~~~~~~\n";
42: cout<<"\t\t INVOICE\n";
43: cout<<"\t\t ~~~~~~~\n";
44: cout<<"\n================================\n";
45: cout<<" Book Number : "<<Bookno<<endl;
46: cout<<"Title : "<<Title<<endl;
47: cout<<"Author Name : "<<Author<<endl;
48: cout<<"Price Per Book : "<<Price<<endl;
49: cout<<"Total Amount : "<<Totamt<<endl;
50: cout<<"\n================================\n";
51: }
52: int main()
53: {
54: int n,i;
55: Publisher p[10];
```

```cpp
56: cout<<"Enter the number of object to be created";cin>>n;
57: for (i=0;i<n;i++)
58: p[i].Readdata();
59: for (i=0;i<n;i++)
60: p[i].Displaydata();
61: return 0;
62: }
63:
```