

```
#include <iostream>
#include <fstream>
using namespace std;

int main()
{
    string s;
    fstream invoiceFile;
    invoiceFile.open("invoice.txt", ios::out);
    string name, code;
    double price;

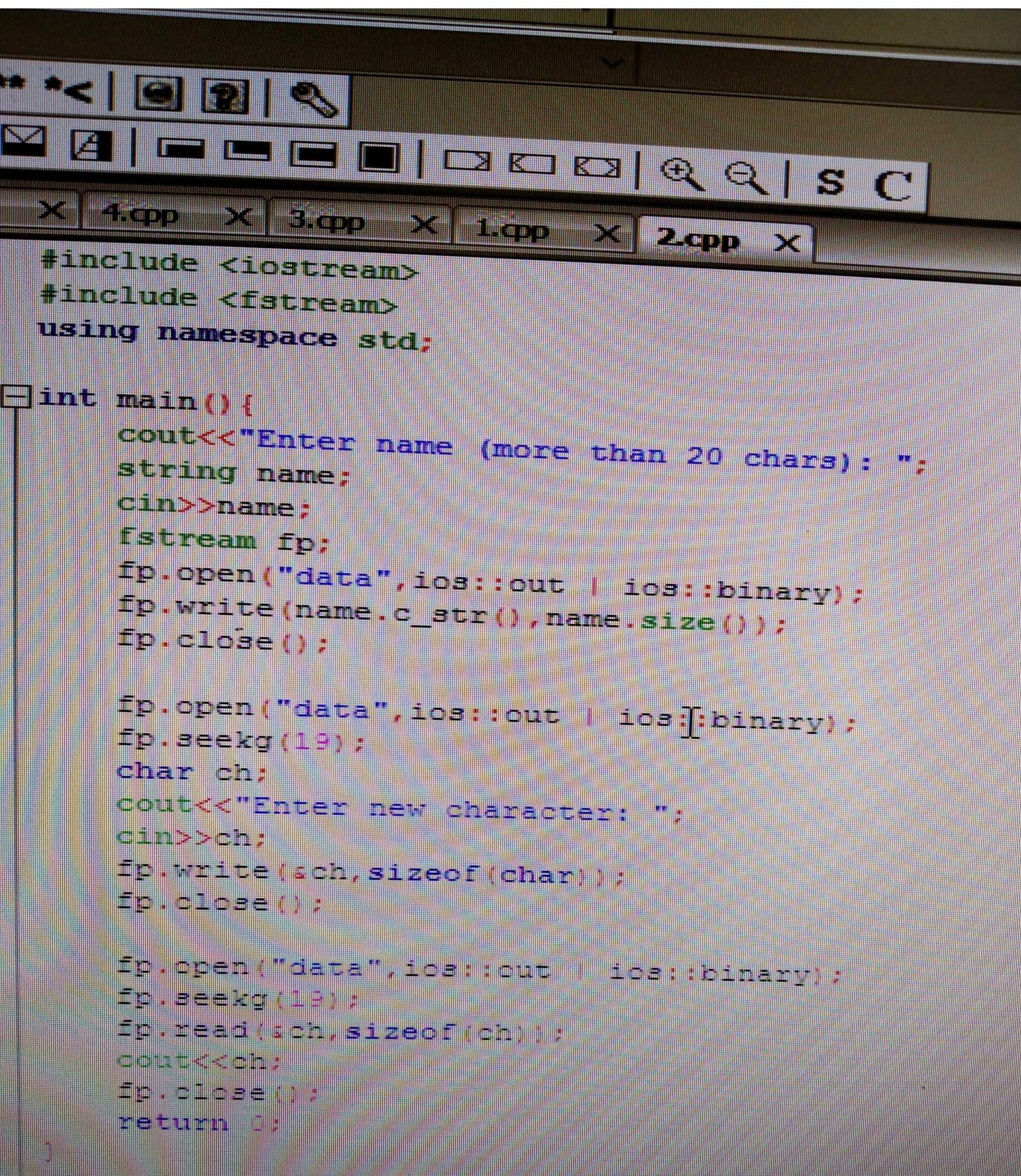
    int total;
    cout<<"Enter total items: ";
    cin>>total;

    for(int i=0; i<total; i++)
    {
        cout<<i+1<<". Enter item name, code, and price: ";
        cin>>name>>code>>price;
        invoiceFile<<name<<, "<<code<<, "<<price<<endl;
    }
    invoiceFile.close();

    cout<<"\nItems name, code, and prices:\n";
    invoiceFile.open("invoice.txt", ios::in);
    while(getline(invoiceFile, s))
    {
        cout<<s<<endl;
    }
    invoiceFile.close();

    return 0;
}
```





```
#include <iostream>
#include <fstream>
using namespace std;
```

```
int main()
{
    fstream fp;
    string s;
    fp.open ("MYTEXT.txt", ios::in);
    int chars=0, words=0, lines=0;
    while (getline (fp, s))
    {
        lines++;
        for (int i=0; i<s.size(); i++)
        {
            char ch=s[i];
            if (ch==' ') I
            {
                words++;
                chars++;
            }
            else if (ch=='\n') chars++;
        }
    }
    words+=lines;
    fp.close ();
    cout<<"Total characters="<<chars<<, words="<<words<<, lines="<<lines;
    return 0;
}
```



```
there x 4.cpp x 3.mp x 1.cpp x 2.cpp x
2
3 #include <iostream>
4 using namespace std;
5
6 {
7     public:
8         char id[20], name[20];
9         int yop;
10
11
12     int main()
13     {
14         fstream fp;
15         Book b;
16         fp.open("Book_Details",ios::out | ios::binary);
17         int total;
18         cout<<"Enter total books: ";
19         cin>>total;
20         for(int i=0; i<total; i++)
21         {
22             cout<<i+1<<" - Enter book id, name, year of publication: ";
23             cin>>b.id>>b.name>>b.yop;
24             fp.write((char*)&b,sizeof(Book));
25         }
26         fp.close();
27
28         fp.open("Book_Details",ios::in | ios::binary);
29         cout<<"\nBOOKS\n";
30         while(!fp.eof())
31         {
32             if(!fp.read((char*)&b,sizeof(Book))) break;
33             cout<<"ID: "<<b.id<<, name: "<<b.name<<, year of publication: "<<b.yop<<endl;
34         }
35         fp.close();
36
37     return 0;
38 }
```