

Activities Text Editor Mar 13 15:39 assignmentNo4.cpp ~/shreya Save

```
1#include <iostream>
2#include <string>
3using namespace std;
4
5class Publication {
6protected:
7    string title;
8    float price;
9public:
10    void getData() {
11        cout << "Enter title: ";
12        getline(cin, title);
13        cout << "Enter price: ";
14        cin >> price;
15        cin.ignore(); // To clear the input buffer
16    }
17    void putData() {
18        cout << "Title: " << title << endl;
19        cout << "Price: " << price << endl;
20    }
21};
22
23class Book : public Publication {
24private:
25    int pageCount;
26public:
27    void getData() {
28        Publication::getData();
29        cout << "Enter page count: ";
30        cin >> pageCount;
31        cin.ignore();
32    }
33    void putData() {
34        Publication::putData();
35        cout << "Page Count: " << pageCount << endl;
```

C++ Tab Width: 8 Ln 31, Col 23 INS

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```
37};
38
39class Tape : public Publication {
40private:
41    float playingTime;
42public:
43    void getData() {
44        Publication::getData();
45        cout << "Enter playing time (in minutes): ";
46        cin >> playingTime;
47        cin.ignore();
48    }
49    void putData() {
50        Publication::putData();
51        cout << "Playing Time: " << playingTime << " minutes" << endl;
52    }
53};
54
55int main() {
56    Book b;
57    Tape t;
58
59    cout << "Enter details for Book:" << endl;
60    b.getData();
61    cout << "\nEnter details for Tape:" << endl;
62    t.getData();
63
64    cout << "\nBook Details:" << endl;
65    b.putData();
66
67    cout << "\nTape Details:" << endl;
68    t.putData();
69
70    return 0;
71}
```

C++ Tab Width: 8 Ln 31, Col 23 INS

```
Activities Terminal
Mar 13 15:40
fe@pict-OptiPlex-3020: ~/shreya

fe@pict-OptiPlex-3020:~/shreya$ g
g: command not found
fe@pict-OptiPlex-3020:~/shreya$ g++ assignmentNo4.cpp
fe@pict-OptiPlex-3020:~/shreya$ ./a.out
Enter details for Book:
Enter title: oopc
Enter price: 400
Enter page count: 40
Enter details for Tape:
Enter title: cpp
Enter price: 300
Enter playing time (in minutes): 30
Book Details:
Title: oopc
Price: 400
Page Count: 40
Tape Details:
Title: cpp
Price: 300
Playing Time: 30 minutes
fe@pict-OptiPlex-3020:~/shreya$
```