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```cpp
#include <iostream>
#include <string>
using namespace std;

class publication
{
 public:
        string booktitle;
        float price;

        publication()
        {
                booktitle="";
                price=0;
        }

        publication(string s,float p)
        {
                booktitle=s;
                price=p;
        }

public:
        void getdata()
        {
                cout<<"Enter the title of the book:"<<endl;cin>>booktitle;
                cout<<"Enter the price of the book:"<<endl;cin>>price;
        }

public:
        void putdata()
        {
                cout<<"Title of the book:"<<booktitle<<endl;cout<<"Price of the book:"<<price<<endl;
        }
};

class book:public publication
{
 public:
        int pagecount;
        book()
        {
                pagecount=0;
        }
        book(string s,float p,int pc):publication(s,p)
        {
                pagecount=pc;
        }
public:
```

```cpp
        void getdata()
        {
                publication::getdata();
                cout<<"Enter the page count:"<<endl;
                try{
                cin>>pagecount;
                if(pagecount<=0)
                {
                        throw pagecount;
                }
                }
                catch(int)
                {
                        cout<<"Page count cannot be zero or negative"<<endl;
                }
        }
public:
        void putdata()
        {
                publication::putdata();
                cout<<"page count is:"<<pagecount<<endl;


        }
};


class cd:public publication
{
public:
        float time;
        cd()
        {
                time=0.0;
        }
        cd(string s,float p,float t)
        {
                time=t;
        }
public:
        void getdata()
        {
                publication::getdata();
                cout<<"Enter the time"<<endl;ci
                n>>time;
        }
public:

        void putdata()
        {
                publication::putdata();
                cout<<"time is"<<time<<endl;
        }
};


int main()
{
        cout<<"Book
        data:<<endl;bookb("c++",
        400,450);
```

```cpp
b.putdata();
cdc("c++",400,60.0);
c.putdata();
cout<<The new detail of the book"<<endl;b.getdata();
c.putdata();
cout<<"Enter data"<<endl;b.putdata();
c.putdata();
return 0;
```