

\*\*\*\*\*Assignment No3\*\*\*\*\*

**Name: Srushti Bibhishan Vhare**

**Class: SE -I                      Div:D**

**Roll No:205A081**

**Imagine a publishing company which does marketing for book and audio cassette versions. Create a class publication that stores the title (a string) and price (type float) of publications. From this class derive two classes: book which adds a page count (type int) and tape which adds a playing time in minutes (type float). Write a program that instantiates the book and tape class, allows user to enter data and displays the data members. If an exception is caught, replace all the data member values with zero values.**

```
#include<iostream>
using namespace std;
class publication
{
    public:
    string title;
    float price;

};
class book:public publication
{
    public:
    int page_count;
    void getdata1()
    {
        cout<<"\nEnter Book Name :";
        cin>>title;
        cout<<"\nEnter Book Page Count :";
        cin>>page_count;
        cout<<"\nEnter Book Price :";
        cin>>price;
    }
    void putdata1()
    {
        cout<<"\n*****Book Information*****";
        cout<<"\n=====";
        cout<<"\nBOOK NAME:"<<title;
```

```

        cout<<"\nBOOK PAGE COUNT :"<<page_count;
        cout<<"\nBOOK PRICE :"<<price;
        cout<<"\n=====";
    }
};
class tape:public publication
{
    public:
        float time;
        void getdata2()
        {
            cout<<"\nEnter Tape Name :";
            cin>>title;
            cout<<"\nEnter Tape Playing Time(minute) :";
            cin>>time;
            cout<<"\nEnter Tape Price :";
            cin>>price;
        }
        void putdata2()
        {
            cout<<"\n*****TAPE INFORMATION*****";
            cout<<"\n=====";
            cout<<"\nTAPE NAME:"<<title;
            cout<<"\nTAPE PLAYING TIME :"<<time;
            cout<<"\nTAPE PRICE :"<<price;
            cout<<"\n=====";
        }
};
int main()
{
    book b1;
    tape t1;
    b1.getdata1();
    b1.putdata1();
    t1.getdata2();
    t1.putdata2();
    return 0;
}

```

# Output:

```
stes@stes: ~/srushti oop practicals
RECORDS DELETED SUCCESSFULLY !!!!
Want To Continue :(y/n)Y
(base) stes@stes:~/srushti oop practicals$ g++ Assignment3.cpp -o Assignment3
(base) stes@stes:~/srushti oop practicals$ ./Assignment3

How Many Book You Want To Add :2

How Many Tape You Want To Add :2

Enter Title Of Book :mahabharat

Enter Pages Of Book :200

Enter Price Of Book :100

Enter Title Of Book :HPotter

Enter Pages Of Book :300

Enter Price Of Book :200

Enter Title Of Tape :music1

Enter Time Of Tape :12.3

Enter Price Of Tape :200

Enter Title Of Tape :music2

Enter Time Of Tape :3.4

Enter Price Of Tape :100

*****BOOK INFORMATION*****
BOOK NAME      :mahabharat
NUMBER OF PAGES :200
BOOK PRICE     :100
=====
*****BOOK INFORMATION*****
```

```
stes@stes: ~/srushti oop practicals

Enter Pages Of Book :300

Enter Price Of Book :200

Enter Title Of Tape :music1

Enter Time Of Tape :12.3

Enter Price Of Tape :200

Enter Title Of Tape :music2

Enter Time Of Tape :3.4

Enter Price Of Tape :100

*****BOOK INFORMATION*****
BOOK NAME      :mahabharat
NUMBER OF PAGES :200
BOOK PRICE     :100
=====
*****BOOK INFORMATION*****
BOOK NAME      :HPotter
NUMBER OF PAGES :300
BOOK PRICE     :200
=====
*****TAPE INFORMATION*****
TAPE NAME      :music1
TIME OF TAPE   :12.3
TAPE PRICE     :200
=====
*****TAPE INFORMATION*****
TAPE NAME      :music2
TIME OF TAPE   :3.4
TAPE PRICE     :100
=====
Do You Want To Continue (y/n) ::
```