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

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**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:**



