BUBT | BANGLADESH UNIVERSITY OF BUSINESS AND TECHNOLOGY

ASSIGNMENT

ASSIGNMENT NO -

Course NO : CSE-122

Course Name : Object Oriented Programming

Submission Date : 10-04-23

Submitted To

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Assignment 02:

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

class Publication {
protected:
    string title;
    float price;
public:
    Publication () {
        title = "";
        price = 0.0;
    }

    void get Data () {
        cout << "Enter the title of the publication: ";
        getline(cin, title);
        cout << "Enter the price of the publication: ";
        cin >> price;
        cin.ignore(); // ignore newline character
    }

    void putData () {
        cout << "Title: " << title << endl;
        cout << "Price: " << price << endl;
    }
};

class Book: public Publication {
private:
    int pageCount;
public:
    Book () {
        pageCount = 0;
    }

    void getData() {
        Publication::getData();
        cout << "Enter the page count of the book: ";
        cin >> pageCount;
        cin.ignore(); // ignore newline character
    }

    void putData() {
        Publication::putData();
        cout << "Page Count: " << pageCount << endl;
    }
};

class Tape : public Publication {
private:
```

```cpp
    float playingTime;
public:
    Tape() {
        playingTime = 0.0;
    }

    void getData() {
        Publication::getData();
        cout << "Enter the playing time of the tape (in minutes): ";
        cin >> playingTime;
        cin.ignore(); // ignore newline character
    }

    void putData() {
        Publication::putData();
        cout << "Playing Time: " << playingTime << " minutes" << endl;
    }
};

int main() {
    Book book;
    Tape tape;

    cout << "Enter the details of the book:\n";
    book.getData();
    cout << "\nEnter the details of the tape:\n";
    tape.getData();

    cout << "\nHere are the details of the book:\n";
    book.putData();
    cout << "\nHere are the details of the tape:\n";
    tape.putData();

    return 0;
}
```