

CS201P Assignment 2 Reference Code

VU LEARNING HUB

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// CS201P Assignment 2 (Reference)
// Branded by VU LEARNING HUB

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

class StudentRegistration {
private:
    string studentID;
    string studentName;
    int gradeLevel;
    int prerequisiteGrade;
    bool feePaid;

public:
    StudentRegistration() {
        studentID = "BC123456789";
        studentName = "VU LEARNING HUB";
        gradeLevel = 0;
        prerequisiteGrade = 0;
        feePaid = false;
    }

    StudentRegistration(string id, string name, int grade, int preGrade, bool fee) {
        studentID=id;
        studentName=name;
        gradeLevel=grade;
        prerequisiteGrade=preGrade;
        feePaid=fee;
    }

    StudentRegistration(const StudentRegistration &obj){
        studentID=obj.studentID;
        studentName=obj.studentName;
        gradeLevel=obj.gradeLevel;
        prerequisiteGrade=obj.prerequisiteGrade;
        feePaid=obj.feePaid;
    }

    bool checkEligibility(){
        return gradeLevel>=2 && prerequisiteGrade>=50 && feePaid;
    }

    void displayInformation(){
        cout<<"ID: "<<studentID<<endl;
        cout<<"Name: "<<studentName<<endl;
        cout<<"Grade Level: "<<gradeLevel<<endl;
        cout<<"Prerequisite Grade: "<<prerequisiteGrade<<endl;
        cout<<"Fee Status: "<<(feePaid?"Paid":"Not Paid")<<endl;
    }

    void displayReasons(){
        if(gradeLevel<2) cout<<"Reason: Must be in 2nd year or higher."<<endl;
        if(prerequisiteGrade<50) cout<<"Reason: Prerequisite grade below 50."<<endl;
        if(!feePaid) cout<<"Reason: Fee not paid."<<endl;
    }
};

// Use the assignment main() exactly as provided.
```

