Nishanth P – 24BAD405

Week 1

1. Rectangle Area and Perimeter Calculator

Rectangle Area and Perimeter Calculator

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Submitted a day ago • Score: 10.00 Status: Accepted

✔ Test Case #0 ✔ Test Case #1

Submitted Code

Language: C++ Open in editor

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;

class Rectangle{
    int length, breath;
    public:
        int area(int l, int b){
            int a;
            a=l*b;
            return a;
        }
        int perimeter(int l, int b){
            int p;
            p=2*(l+b);
            return p;
        }
};

int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    Rectangle rect;
    int length, breath;
    cin>>length>>breath;
    if((1<=length)&&(breath<=pow(10,5))){
        cout<<"Area: "<<rect.area(length, breath)<<endl;
        cout<<"Perimeter: "<<rect.perimeter(length, breath)<<endl;
    }else{
        cout<<"Invalid dimensions";
    }
    return 0;
}

```

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Week 1

2. Simple Calculator using Class

Simple Calculator using Class

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Test Case #0 Test Case #1

Submitted Code

Language: C++ Open in editor

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;

class Calculator{
    int z;
    public:
        void airth(int a, int b, char symbol){
            switch(symbol){
                case '+':
                    z=a+b;
                    cout<<"Result: "<<z;
                    break;
                case '-':
                    z=a-b;
                    cout<<"Result: "<<z;
                    break;
                case '+':
                    z=a+b;
                    cout<<"Result: "<<z;
                    break;
                case '/':
                    if(b!=0){
                        z=a/b;
                        cout<<"Result: "<<z;
                    }else{
                        cout<<"Cannot divide by zero";
                    }
                    break;
                default:
                    cout<<"Use Arithmatic operator.";
            }
        }
};
int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    Calculator calc;
    int a,b;
    char sym;
    cin>>a>>b>>sym;
    if((1<=a<=pow(10,6))&&(1<=b<=pow(10,6))){
        calc.airth(a,b,sym);
    }
    return 0;
}
```

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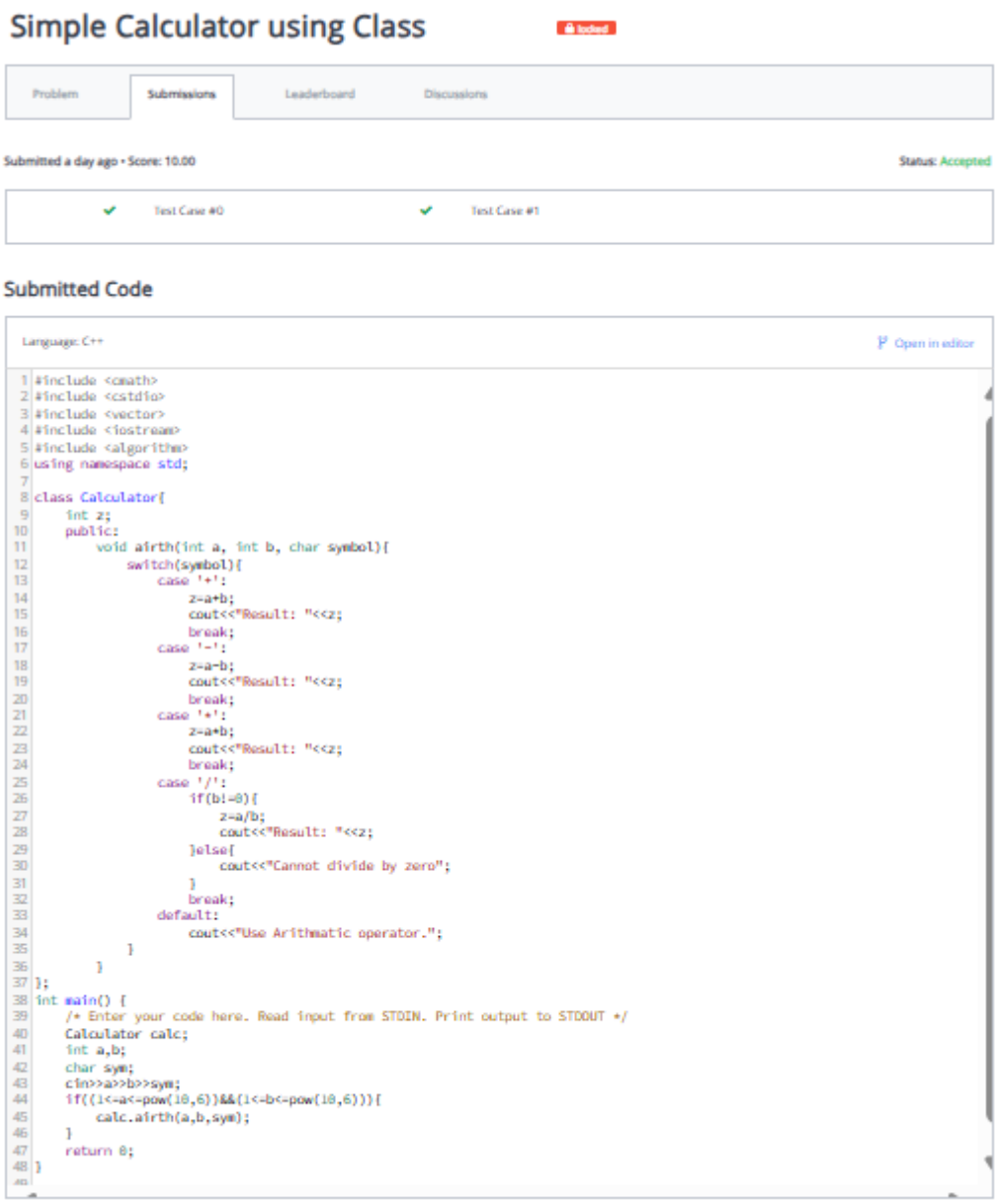
Week 1

3. Simple Calculator using Class



Simple Calculator using Class

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Submitted a day ago • Score: 10.00 Status: Accepted

Test Case #0 Test Case #1

Submitted Code

Language: C++ Open in editor

```
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;

class Calculator{
    int z;
    public:
        void airth(int a, int b, char symbol){
            switch(symbol){
                case '+':
                    z=a+b;
                    cout<<"Result: "<<z;
                    break;
                case '-':
                    z=a-b;
                    cout<<"Result: "<<z;
                    break;
                case '*':
                    z=a*b;
                    cout<<"Result: "<<z;
                    break;
                case '/':
                    if(b!=0){
                        z=a/b;
                        cout<<"Result: "<<z;
                    }else{
                        cout<<"Cannot divide by zero";
                    }
                    break;
                default:
                    cout<<"Use Arithmatic operator.";
            }
        }
};
int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    Calculator calc;
    int a,b;
    char sym;
    cin>>a>>b>>sym;
    if((1<=a<=pow(10,6))&&(1<=b<=pow(10,6))){
        calc.airth(a,b,sym);
    }
    return 0;
}
```