Forum:Hack Forums

Thread: Small problem with my 'Menu program'

D_MuLa - *October 1, 2016, 2:36 pm*

Everything looks okay except my multiplication table doesn't seem to be formatting properly EDIT i fixed my table, but my while loop at the end doesn't seem to be executing. So i could use some expertise :) Code #include <iostream>

```
 #include <string>

 using namespace std;

 int main()
 {
    string calculatoropt;
    string multitableopt;
    string input;


    cout << " Please choose an option: "<< endl;

     cout    << " 1. Calculator" << endl;
      cout   << " 2. Multiplication Table" << endl;
        cin >> input;

        if( input =="1" )
        {
            int firstnumber;
            int secondnumber;


            cout << " Enter the first number: " << endl;
            cin >> firstnumber;
            cout << " Enter the second number: " << endl;
            cin >> secondnumber;

            cout << firstnumber << " * " << secondnumber << "=" << firstnumber * secondnumber <<
endl;
            cout << firstnumber << " + " << secondnumber << "=" << firstnumber + secondnumber <<
endl;
            cout << firstnumber << " / " << secondnumber << "=" << firstnumber / secondnumber <<
endl;
            cout << firstnumber << " - " << secondnumber << "=" << firstnumber - secondnumber <<
endl;

        }
        else if( input == "2" )
        {
            for (int i = 0; i < 10; i++)
            {
```

```
            cout << '\t' << i;
        }
        cout << 'endl';

        for (int i = 0; i < 10; ++i)
        {
            cout << i;

        for (int j = 0; j < 10; ++j)
        {
            cout << '\t' << i * j << endl;
        }

        cout << endl;

        }

        while( input != "1" && input!= "2")
        {
            cout << "Sorry, you've entered an invalid option" << endl;
            cin >> input;
            return 0;
        }


    }
}
```

0xDEAD10CC - *October 1, 2016, 4:00 pm*

What exactly is:
Code cout << 'endl';
Do you read compiler messages? :S It should have been the first thing you do before posting a thread. Evidently you didn't. Btw, see any conflicting logic here?
Code else if (input == "2")

```
{
   while (input != "1" && input != "2")
   {
   }
}
```

I think this should've been quite obvious that input will never be "1" in the while statement enclosed in an if statement branch where input is required to be "2" for that loop to even be evaluated. And if it is "2" (which it WILL BE), then the while loop won't run because of the last part after the &&.

Why can't you use a debugger if you can't see this? ?

Imagine writing:
Code if (var == 1)

```
{
    while (var != 1)
   {
   }
}
```

^ That's what you're doing here.

D_MuLa - *October 1, 2016, 5:29 pm*

@dead10cc I see. I'm definitely having some logic conflicts here, i'm going to work on that more.

```
Code #include <iostream>
#include <string>

using namespace std;

int main()
{
    string calculatoropt;
    string multitableopt;
    string input;


    cout << " Please choose an option: "<< endl;

     cout    << " 1. Calculator" << endl;
      cout   << " 2. Multiplication Table" << endl;
        cin >> input;

        while (input !="1" && input !="2")
        {
            cout<< "Sorry, that option is invalid"<<endl;
            cin>> input;
        }

        if( input =="1" )
        {
            int firstnumber;
            int secondnumber;


            cout << " Enter the first number: " << endl;
            cin >> firstnumber;
            cout << " Enter the second number: " << endl;
            cin >> secondnumber;

            cout << firstnumber << " * " << secondnumber << "=" << firstnumber * secondnumber <<
endl;
            cout << firstnumber << " + " << secondnumber << "=" << firstnumber + secondnumber <<
endl;
            cout << firstnumber << " / " << secondnumber << "=" << firstnumber / secondnumber <<
endl;
            cout << firstnumber << " - " << secondnumber << "=" << firstnumber - secondnumber <<
endl;

 }
        else if( input == "2" )
        {
            for (int i = 0; i < 10; i++)
            {
                cout << '\t' << i;
```

```
        }


        for (int i = 0; i < 10; ++i)
        {
            cout << i;

        for (int j = 0; j < 10; ++j)
        {
            cout << '\t' << i * j;
        }
        }

    }


}?
```