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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.

@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;  
}  
}
```

```
}
```

```
}?
```