

## Main.cpp

```
// This program lets the user enter a number. The
// dollarFormat function formats the number as
// a dollar amount.
#include "dollar.h"
#include <iostream>
#include <string>
using namespace std;

// Function prototype
void dollarFormat(string &);

int main()
{
    string input;

    // Get the dollar amount from the user.
    cout << "Enter a dollar amount in the form nnnnn.nn : ";
    cin >> input;

    Dollar d(input);

    d.convert();

    cout << "Here is the amount formatted:\n";
    cout << d.getInput() << endl;
    return 0;
}
```

## Dollar.h

```
#ifndef DOLLAR_H
#define DOLLAR_H
```

```

#include <string>

using namespace std;

class Dollar
{
private:
    string input;

public:
    Dollar()
    {
        input = "1000.00";
    }
    Dollar(string s)
    {
        input = s;
    }

    void convert();

    string getInput() const;
};
#endif

```

Dollar.cpp

```

#include "dollar.h"
#include <iostream>
#include <string>
using namespace std;

```

```

void Dollar::convert()
{
    int dp;

    dp = input.find('.'); // Find decimal point
    input[dp] = ',';

    if (dp > 3) // Insert commas
    {
        for (int x = dp - 3; x > 0; x -= 3)
            input.insert(x, ".");
    }
    input.insert(0, "$"); // Insert dollar sign
    input.append("$");
}

string Dollar::getInput() const
{
    return input;
}

```

Output:

```

Enter a dollar amount in the form nnnnn.nn : 1084567.89
Here is the amount formatted:
$1.084.567,89$

```