Write a program that computes the tax and tip on a restaurant bill for a patron with a $44.50 meal charge. The tax should be 6.75 percent of the meal cost. The tip should be 15 percent. Print out the Bill

bill.h

```cpp
#include <iostream>

using namespace std;


class Bill

{

private:

    const double charge = 44.50;

    const double tax = 0.0675;

    const double tip = 0.15;


public:

    void printBill();

};
```

bill.cpp

```cpp
#include "bill.h"

#include <iostream>

#include <iomanip>

using namespace std;


void Bill::printBill()

{

    double total = charge + (charge * tax) + (charge * tip);

    cout << fixed << showpoint << setprecision(2)

        << "The meal cost is: $" << charge << endl

        << "The tax amount is: $" << charge * tax << endl

        << "The tip amount is: $" << charge * tip << endl
```

```
        << "The total bill cost is: $" << total << endl;
};
```

main.cpp

```cpp
#include "bill.h"

int main()
{
    Bill pb;

    pb.printBill();

    return 0;
}
```

```
The meal cost is: $44.50
The tax amount is: $3.00
The tip amount is: $6.67
The total bill cost is: $54.18
```