```cpp
//Lab5-2.cpp - displays the total amount due
//Created/revised by Kripa Kini on 3/3/19

#include <iostream>
#include <iomanip>
using namespace std;

int main ()
{
    const double DISCOUNT_RATE = 0.1;
    const double SHIP_CHG1 = 0.99;
    const double SHIP_CHG2 = 4.99;
    double amtOwed = 0.0;
    char member = ' ';

    cout << "Amount owed before any discount and shipping: ";
    cin >> amtOwed;
    cout << "Premier Club member (Y/N)?";
    cin >> member;

    if (toupper(member) == 'Y')
        amtOwed -= amtOwed * DISCOUNT_RATE;
    else
        amtOwed -= amtOwed * DISCOUNT_RATE / 2;
    if (amtOwed >= 100.0)
        amtOwed += SHIP_CHG1;
    else
        amtOwed += SHIP_CHG2;

    cout << fixed << setprecision(2);
    cout << "Amount owed after any discount and shipping: " << amtOwed << endl;
    return 0;
}
```

```
Amount owed before any discount and shipping: 23.45
Premier Club member (Y/N)?y
Amount owed after any discount and shipping: 26.09


...Program finished with exit code 0
```