

```

#include <iostream>
using namespace std;
class Engineering{

private:
    double resistance;
    double current;
    double voltage;
public:
    Engineering():resistance(1.0),current(1.0)
    {voltage = 0;}
    Engineering(float r, float i) : resistance(r),current(i)
    {voltage = 0;}
    void getParams()
    {
        cout << "Enter resistance: "<<endl;
        cin >> resistance;
        cout << "Enter current: " << endl;
        cin >> current;
        cout << endl;
    }
    void showParams()
    {
        cout << resistance << " ohms " << " " <<current << " amps " <<endl;
        //cout << endl;
    }
    void add_voltages(Engineering, Engineering, Engineering);
    float voltageCalculator(){
        return current * resistance;
    }
};

void Engineering::add_voltages(Engineering ob1, Engineering ob2, Engineering ob3)
{
    voltage = ob1.voltageCalculator() + ob3.voltageCalculator() + ob2.voltageCalculator();
    cout << "Voltage Addition Method: " << voltage << endl;
}

int main() {
    Engineering ob3(1000, 0.2);
    Engineering ob2(ob3);
    Engineering ob1 = ob3;

    cout <<"Voltage from ob3 (default)" << ob3.voltageCalculator() << endl;
    cout <<"Voltage from ob2 (default copy): " << ob2.voltageCalculator() << endl;
    cout <<"Voltage from ob1 (default copy): " << ob1.voltageCalculator() << endl;

    ob2.add_voltages(ob1, ob2, ob3);
    ob1.showParams();
    cout << endl;
    ob3.showParams();
    cout << endl;
    ob2.showParams();

    return 0;
}

```