Example Program: Tax Computation

Assume 3 tax brackets:

- Income < $20,000: 15% tax
- $20,000 <= income < $70,000: 25% tax
- $70,000 <= income: 35% tax

Pseudocode:

Get Income
Compute Tax
Display Tax

Program:

// This program computes the tax owed by an individual, given his/her income.

#include <iostream.h>

void get_income(double &income)
{
    cout << "Enter your income: ";
    cin >> income;
    cout << endl;
}

double compute_tax(double income)
{
    if (income < 20000)
        tax = income * 0.15;
    else if ((income >= 20000) && (income < 70000))
        tax = income * 0.25;
    else
        tax = income * 0.35;
    return tax;
}

void display_tax(double tax)
{
    cout << "Your tax is " << tax << endl;
    cout << "Please remit immediately. " << endl;
}

void main()
{
    float my_income, my_tax;

    get_income(my_income);
    my_tax = compute_tax(my_income);
    display_tax(my_tax);
}