#include <iostream>

using namespace std;

int main() {

double basic\_salary, net\_salary, tax\_rate, sha\_deduction, house\_levy, fixed\_credit\_allowance = 3000.0;

cout << "Enter the basic salary: ";

cin >> basic\_salary;

// Determine the tax rate based on the basic salary

if (basic\_salary >= 10000 && basic\_salary < 30000) {

tax\_rate = 0.12;

} else if (basic\_salary >= 30000 && basic\_salary < 50000) {

tax\_rate = 0.14;

} else if (basic\_salary >= 50000 && basic\_salary < 100000) {

tax\_rate = 0.20;

} else if (basic\_salary >= 100000) {

tax\_rate = 0.30;

} else {

cout << "Invalid salary range" << endl;

return 1; // Exit the program with an error

}

// Calculate deductions

sha\_deduction = basic\_salary \* 0.0275;

house\_levy = basic\_salary \* 0.015;

// Calculate net salary

double tax = basic\_salary \* tax\_rate;

net\_salary = basic\_salary - (tax + sha\_deduction + house\_levy) + fixed\_credit\_allowance;

// Output the results

cout << "Net Salary: " << net\_salary << endl;

return 0;

}