Salary Calc

#include <iostream>

using namespace std;

int main() {

int hourlyWage;

int weeklyHours;

int weeklySalary;

int overtimeHours;

const int WEEKLY\_LIMIT = 40;

cout << "Enter hourly wage: " << endl;

cin >> hourlyWage;

// FIXME: Get user input value for weeklyHours

weeklyHours = 40;

if (weeklyHours <= WEEKLY\_LIMIT) {

weeklySalary = weeklyHours \* hourlyWage;

}

else {

overtimeHours = weeklyHours - WEEKLY\_LIMIT;

weeklySalary = static\_cast<int>((hourlyWage \* WEEKLY\_LIMIT) +

(hourlyWage \* overtimeHours \* 1.5));

}

cout << "Weekly salary is: " << weeklySalary << endl;

return 0;

}

tax rate  
  
#include <iostream>

using namespace std;

int main() {

int annualSalary;

double taxRate;

int taxToPay;

cout << "Enter annual salary: " << endl;

cin >> annualSalary;

// Determine the tax rate from the annual salary

// FIXME: Write code to address the challenge question above

if (annualSalary <= 20000) {

taxRate = 0.10;

}

else if (annualSalary <= 50000) {

taxRate = 0.20;

}

// FIXME: Add tier

else {

taxRate = 0.30;

}

taxToPay = static\_cast<int>(annualSalary \* taxRate); // Truncate tax to an integer amount

cout << "Annual Salary: " << annualSalary << endl;

cout << "Tax rate: " << taxRate << endl;

cout << "Tax to pay: " << taxToPay << endl;

return 0;

}

Search name

#include <iostream>

#include <string>

#include <cctype>

using namespace std;

int main() {

string inputName;

string searchName;

string coreGtld1;

string coreGtld2;

string coreGtld3;

// FIXME: Add a fourth core gTLD: .info

bool isCoreGtld = false;

coreGtld1 = ".com";

coreGtld2 = ".net";

coreGtld3 = ".org";

cout << endl << "Enter a top-level domain name: " << endl;

cin >> inputName;

searchName = inputName;

// FIXME: Allow the user to enter a name with or without a leading period

// Determine whether the user-entered name is a gTLD

if (searchName == coreGtld1) {

isCoreGtld = true;

}

else if (searchName == coreGtld2) {

isCoreGtld = true;

}

else if (searchName == coreGtld3) {

isCoreGtld = true;

}

// FIXME: Add a check for the fourth domain name

else {

isCoreGtld = false;

}

cout << "The name \"" << inputName << "\" ";

if (isCoreGtld) {

cout << "is a core gTLD." << endl;

}

else {

cout << "is not a core gTLD." << endl;

}

return 0;

}

V2

#include <iostream>

#include <string>

#include <cctype>

using namespace std;

int main() {

string inputName;

string searchName;

string coreGtld1;

string coreGtld2;

string coreGtld3;

string coreGtld4;

bool isCoreGtld;

coreGtld1 = ".com";

coreGtld2 = ".net";

coreGtld3 = ".org";

coreGtld4 = ".info";

isCoreGtld = false;

cout << endl << "Enter a top-level domain name: " << endl;

cin >> inputName;

searchName = inputName;

// If the user entered a name without a leading period, add one

if ((searchName.size() > 0) && (searchName.at(0) != '.')) {

searchName = "." + inputName;

}

// Determine whether the user-entered name is a gTLD

if (searchName == coreGtld1) {

isCoreGtld = true;

}

else if (searchName == coreGtld2) {

isCoreGtld = true;

}

else if (searchName == coreGtld3) {

isCoreGtld = true;

}

else if (searchName == coreGtld4) {

isCoreGtld = true;

}

else {

isCoreGtld = false;

}

cout << "The name \"" << inputName + "\" ";

if (isCoreGtld) {

cout << "is a core gTLD." << endl;

}

else {

cout << "is not a core gTLD." << endl;

}

return 0;

}