Program to Calculate Employee’s Payroll (Input/Output)

#include <iostream>

#include<iomanip>

using namespace std;

int main()

{

//(1) declare and initialize the variables

double gross = 0, hours = 0, rate = 0, fedTax = .15, stateTax = .03, totalTax = 0,

net\_pay = 0, overtime = 0;

int employeeNum = 0;

char answer = 'y';

do

{

// (2) prompt user and read the employee number

cout << "Please enter the employee number\n";

cin >> employeeNum;

// (3) prompt user and read the number of hours worked

cout << "\nPlease enter the number of hours worked\n";

cin >> hours;

// (4) prompt user and read the employee hourly wage

cout << "\nPlease enter the hourly wage\n";

cin >> rate;

cout.setf(ios::fixed);

cout.precision(2);

// (5) use a selection control structure to determine the gross pay

if (hours <= 40)

gross = rate \* hours;

else

gross = (hours-40) \*rate\*1.5 + 40\*rate;

// (6) determine the federal and state taxes

totalTax = fedTax \* gross + stateTax \* gross;

// (7) determine whether or not ove3rtime pay is included

if (hours > 40)

//calculating excess hours above 40 and pay time and half

overtime = hours - 40\*rate\*1.5;

else

overtime = 0;

// (8) determine the net pay

net\_pay = gross - totalTax;

cout << "\nPayRoll Of Designated Employee :" << endl;

// (9) display the employee number

cout << "\nEmployee ID:\t\t\t " << setw(10) << employeeNum << endl;

// (10) display the employee number of hours worked

cout << "Employee hours:\t\t\t " << setw(10) << hours << endl;

// (11) display the hourly wage

cout << "Employee hourly wage:\t\t$" << setw(10) << rate << endl;

// (12) display the gross pay

cout << "Employee gross pay:\t\t$" << setw(10) << gross << endl;

// (13) display the total tax deductions

cout << "Employee total tax:\t\t$" << setw(10) << totalTax << endl;

// (14) display the net pay

cout << "Employee net pay:\t\t$" <<setw(10)<<net\_pay << endl;

// (15) display whether or not overtime pay is included

cout << "Is Employee Overtime?\t\t " << setw(10) << ((overtime < 0) ? "YES”: "NO") << "\n";

// (16) Creating a loop for PayRoll

cout << "\nWould you like to Calculate another Employee's PayRoll?" << endl;

cout << "(Y/N)?\n";

cin >> answer;

} while (answer == 'y' || answer == 'Y');

system("Pause");

return 0;

}

