**Module 3 Option 1 Critical Thinking Assignment**

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CSC320: Programming I

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**Source Code**

package critical\_thinking\_3\_option\_1;

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner userInput = new Scanner(System.***in***);

int customerWeeklyIncome;

double taxRate;

int weeklyTaxAmount;

System.***out***.println("To determine tax withholding,");

System.***out***.println("Please enter your weekly income:");

customerWeeklyIncome = userInput.nextInt();

if (customerWeeklyIncome < 0) {

System.***out***.println("You cannot have a negative weekly income!");

System.***out***.println("Setting weekly income to $0.00");

taxRate = 0;

customerWeeklyIncome = 0;

}

else if (customerWeeklyIncome < 500) {

taxRate = 0.10;

}

else if (customerWeeklyIncome < 1500) {

taxRate = 0.15;

}

else if (customerWeeklyIncome < 2500) {

taxRate = 0.20;

}

else {

taxRate = 0.30;

}

weeklyTaxAmount = (int)(customerWeeklyIncome \* taxRate);

System.***out***.println("With a weekly salary of $" + customerWeeklyIncome + ",");

System.***out***.println("Your tax rate is " + (int)(taxRate \* 100) + "%.");

System.***out***.println("This means your weekly tax withholding is $" + weeklyTaxAmount + ".");

}

}

**Screenshot**

