**The weekly average tax withholding**

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CS350: Programming I

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**GIT Repository Link: https://github.com/shusmac/CS320\_Programming2.git**

**Pseudocode:**

START

PROMPT user to enter weekly income

IF income < 500 THEN

SET taxRate = 10%

ELSE IF income >= 500 AND income < 1500 THEN

SET taxRate = 15%

ELSE IF income >= 1500 AND income < 2500 THEN

SET taxRate = 20%

ELSE

SET taxRate = 30%

END IF

CALCULATE taxWithholding = income \* (taxRate / 100)

DISPLAY taxWithholding

END

**Jave code:**

import java.util.Scanner;

public class WeeklyTaxCalculator {

public static void main(String[] args) {

// Create a Scanner object for user input

Scanner scanner = new Scanner(System.in);

// Prompt user for weekly income

System.out.print("Enter your weekly income: ");

double income = scanner.nextDouble();

// Declare variables

double taxRate;

double taxWithholding;

// Determine tax rate based on income

if (income < 500) {

taxRate = 10.0;

} else if (income >= 500 && income < 1500) {

taxRate = 15.0;

} else if (income >= 1500 && income < 2500) {

taxRate = 20.0;

} else {

taxRate = 30.0;

}

// Calculate tax withholding

taxWithholding = income \* (taxRate / 100);

// Display the result

System.out.println("Your weekly tax withholding is: $" + taxWithholding);

// Close the scanner

scanner.close();

}

}

**Program Screenshots:**

**A screen shot of a computer program

Description automatically generated**