

Calculate Average Withholding

start

Declarations

double weeklyIncome

double weeklyAvgTax

double taxRate = 0.10

output "Please input your weekly income: "

input weeklyIncome

if weeklyIncome < 500

taxRate = 0.10

else if weeklyIncome >= 500 AND weeklyIncome < 1500

taxRate = 0.15

else if weeklyIncome >= 1500 AND weeklyIncome < 2500

taxRate = 0.20

else if weeklyIncome >= 2500

taxRate = 0.30

output "Your weekly income is \$", weeklyIncome, "."

output "Because your weekly income is \$", weeklyIncome, ", your tax rate is ", (taxRate * 100), "%."

output "Your weekly average tax withholding is: \$", weeklyAvgTax, "."

stop

eclipse-workspace - Calculate Average Withholding/src/CalculateAvgWithholding.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Project Explorer

Calculate Average Withholding

- JRE System Library [JavaSE-17]
- src
 - (default package)
 - calculateAvgWithholding.java
- Car Data and MPG
- HelloWorld
- Name and Address

```
1 import java.text.DecimalFormat;
2 import java.util.Scanner;
3
4 public class calculateAvgWithholding {
5
6     public static void main(String[] args) {
7         double weeklyIncome;
8         double weeklyAvgTax; // the weekly average tax withholding
9         double taxRate = 0.10;
10
11         DecimalFormat df = new DecimalFormat("0.00");
12
13         try (Scanner steve = new Scanner(System.in)) {
14             System.out.print("Please input your weekly income: ");
15             weeklyIncome = steve.nextDouble();
16
17             if (weeklyIncome < 500) {
18                 taxRate = 0.10;
19             }
20             else if ((weeklyIncome >= 500) && (weeklyIncome < 1500)) {
21                 taxRate = 0.15;
22             }
23             else if ((weeklyIncome >= 1500) && (weeklyIncome < 2500)) {
24                 taxRate = 0.20;
25             }
26             else if (weeklyIncome >= 2500) {
27                 taxRate = 0.30;
28             }
29
30             weeklyAvgTax = Math.floor((weeklyIncome * taxRate)*100)/100.0;
31         }
32
33         System.out.println();
34         System.out.println("Your weekly income is $" + df.format(weeklyIncome) + ".");
35         System.out.println("Because your weekly income is $" + df.format(weeklyIncome) + ", your tax rate is " + df.format(taxRate * 100.00) + "%.");
36         System.out.println("Your weekly average tax withholding is $" + df.format(weeklyAvgTax) + ".");
37     }
38
39 }
```

Outline

- calculateAvgWithholding
 - main(String[]): void

Problems Javadoc Declaration Console

<terminated> calculateAvgWithholding [Java Application] C:\Users\Jinyume\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Mar 6, 2022, 6:50:03 PM – 6:50:11 PM)

Please input your weekly income: 2499.99

Your weekly income is \$2499.99.
Because your weekly income is \$2499.99, your tax rate is 20.00%.
Your weekly average tax withholding is \$499.99.