

HW3\src\Problem_4.java

```
1  /*
2  Name: Hunter Poole
3  Date: 02/10/2025
4  Homework # : 3
5  Source File: Problem_4
6  Action: Given an income, assess state taxes on the following brackets:
7          0% for $0 - 15000
8          5% for $15001 - 30000
9          10% for $30000 +
10         Return the following:
11         Net Income = [Income]
12         State Tax = [Taxes]
13  */
14
15
16 import java.util.Scanner;
17
18 public class Problem_4 {
19     public static void main(String[] args)
20     {
21         float Income, IncomeAbove15, IncomeAbove30, Tax5p, MaxTax5p, Tax10p;
22
23         Scanner Input = new Scanner(System.in);
24         System.out.print("Please enter the person's net income --> ");
25         Income = Input.nextFloat();
26
27         IncomeAbove15 = Income - 15000f;
28         IncomeAbove30 = Income - 30000f;
29         Tax5p = IncomeAbove15 * 0.05f;
30         MaxTax5p = 750f;
31         Tax10p = IncomeAbove30 * 0.10f;
32
33         if (Income <= 15000)
34         {
35             System.out.printf("%s%.2f %n%s%.2f %n", "Net Income = $",
36                               Income, "State Tax = $", 0f);
37         }
38
39         if (Income >= 15001 && Income <= 30000)
40         {
41             System.out.printf("%s%.2f %n%s%.2f %n", "Net Income = $",
42                               Income, "State Tax = $", Tax5p);
43         }
44
45         if (Income >= 30001)
46         {
47             System.out.printf("%s%.2f %n%s%.2f %n", "Net Income = $",
```

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48             Income, "State Tax = $", (MaxTax5p + Tax10p));
49         }
50     }
51 }
52
53 /*
54 Please enter the person's net income --> 24500
55 Net Income = $24500.00
56 State Tax = $475.00
57
58 Please enter the person's net income --> 40000
59 Net Income = $40000.00
60 State Tax = $1750.00
61
62 Please enter the person's net income --> 28275
63 Net Income = $28275.00
64 State Tax = $663.75
65
66 Please enter the person's net income --> 12500
67 Net Income = $12500.00
68 State Tax = $0.00
69
70 hunterpoole@megs-mbp Documents %
71 */
72
```