

```
1 import java.util.Scanner;
2
3
4 public class TaxPayment {
5
6     public static void main(String[] args) {
7         Scanner input= new Scanner(System.in);
8         System.out.println("Please enter a 'y' if you are
9         married, and a 'n' if your are filing single:");
10        boolean married= false;
11        char yesNo= input.next().charAt(0);
12
13        if (yesNo=='y') {
14            married= true;}
15
16        System.out.println("Next enter the total taxable
17        income between either yourself, or your household if married:");
18        double income= input.nextInt();
19
20        double tax= TaxPaymentCalculator(married,income);
21
22        System.out.println("The total tax you and/or your
23        partner need to pay is"+" "+ tax);
24    }
25
26    public static double TaxPaymentCalculator(boolean
27    married, double income) {
28        double taxPayment=0;
29        if (married==true) {
30            if (income <=19900) {
31                taxPayment= 0.1* income;}
32            else if (income<=81050 && income>19900) {
33                taxPayment= (income- 19900)* 0.12 +
34                1990;}
35            else if (income>81050 && income<=172750)
36            {
37                taxPayment= (income- 81050)* 0.22 +
38                9328;}
39        }
```

```
37
38     else if (income>172750 && income<=329850)
39     {
40         taxPayment=(income- 172750)* 0.24 +
41         29502;}
42     else if (income>329850 && income
43     <=418850) {
44         taxPayment= (income- 329850)* 0.32 +
45         67206;}
46     else if (income>418850 && income<=628300)
47     {
48         taxPayment= (income- 418850)* 0.35 +
49         95686;}
50     else if (income>628300) {
51         taxPayment= (income- 628300)* 0.37 +
52         168994;}
53     }
54     if (married==false) {
55         if (income <=9950) {
56             taxPayment= 0.1* income;}
57         else if (income<=40525 && income>9950) {
58             taxPayment= (income- 9950)* 0.12 +
59             995;}
60         else if (income>40525 && income<=86375) {
61             taxPayment= (income- 40525)* 0.22 +
62             4664;}
63         else if (income>86375 && income<=164925)
64         {
65             taxPayment=(income- 86375)* 0.24 +
66             14751;}
67         else if (income>164925 && income
68         <=209425) {
69             taxPayment= (income- 164925)* 0.32 +
70             33603;}
71     }
```

TaxPayment.java

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```
67         else if (income>209425 && income<=523600)
68         {
69             taxPayment= (income- 209425)* 0.35 +
70             47843;}
71         else if (income>523600) {
72             taxPayment= (income- 523600)* 0.37 +
73             157804;}
74         }
75         return Math.round(taxPayment*100)/100.0;
76     }
77 }
78 }
79 }
80 }
81 }
82 }
83 }
```