

```

1 /* Tip and Tax Calculator
2  Joey Massoni */
3
4 import java.util.Scanner;
5 import java.text.DecimalFormat;
6
7 public class EatingOut
8 {
9     public static void main( String [] args )
10    {
11        Scanner scan = new Scanner( System.in );
12        DecimalFormat money = new DecimalFormat( "$#.00" );
13
14        System.out.println( "\nHope you had a great meal! Let's get started." );
15
16        System.out.println( "\nHow much did your bill come out to?" );
17        double bill = scan.nextDouble ();
18
19        System.out.println( "\nDo you need to add in tax?" );
20        String tax = scan.next ();
21
22        if (tax.equals ("yes") )
23        {
24            System.out.println( "\nWhat's the tax rate?" );
25            double taxRate = scan.nextDouble ();
26            double taxConvert = 1 + (taxRate / 100);
27            double taxTotal = bill * taxConvert;
28
29            double badTip = taxTotal * .05;
30            double goodTip = taxTotal * .15;
31            double greatTip = taxTotal * .18;
32            double outstandingTip = taxTotal * .2;
33
34            double badTotal = taxTotal + badTip;
35            double goodTotal = taxTotal + goodTip;
36            double greatTotal = taxTotal + greatTip;
37            double outstandingTotal = taxTotal + outstandingTip;
38
39            System.out.println( "\nHow was the service? Type 1 for bad, 2 for good, 3 for great or 4 for outstanding!" );
40            int service = scan.nextInt ();
41
42
43            if (service == 1 )
44            {
45                System.out.println( "\nYour tip should be " + money.format ( badTip ) + "." );
46                System.out.println( "Your total will be " + money.format ( badTotal ) + "." );
47            }
48            else if (service == 2 )
49            {
50                System.out.println( "\nYour tip should be " + money.format ( goodTip ) + "." );
51                System.out.println( "Your total will be " + money.format ( goodTotal ) + "." );
52            }
53            else if (service == 3 )
54            {
55                System.out.println( "\nYour tip should be " + money.format ( greatTip ) + "." );
56                System.out.println( "Your total will be " + money.format ( greatTotal ) + "." );
57            }
58            else if (service == 4 )
59            {
60                System.out.println( "\nYour tip should be " + money.format ( outstandingTip ) + "." );
61                System.out.println( "Your total will be " + money.format ( outstandingTotal ) + "." );
62            }
63            else
64            {
65                System.out.println( "\nOk, that wasn't an option. Just figure it out yourself.");
66            }
67        }
68
69        else
70        {
71

```

```

72     System.out.println( "\nHow was the service? Type 1 for bad, 2 for good, 3 for great or 4 for outstanding!" );
73     int service = scan.nextInt ();
74
75     double badTip = bill * .05;
76     double goodTip = bill * .15;
77     double greatTip = bill * .18;
78     double outstandingTip = bill * .2;
79
80     double badTotal = bill + badTip;
81     double goodTotal = bill + goodTip;
82     double greatTotal = bill + greatTip;
83     double outstandingTotal = bill + outstandingTip;
84
85
86     if (service == 1 )
87     {
88         System.out.println( "\nYour tip should be " + money.format ( badTip ) + "." );
89         System.out.println( "Your total will be " + money.format ( badTotal ) + "." );
90     }
91     else if (service == 2 )
92     {
93         System.out.println( "\nYour tip should be " + money.format ( goodTip ) + "." );
94         System.out.println( "Your total will be " + money.format ( goodTotal ) + "." );
95     }
96     else if (service == 3 )
97     {
98         System.out.println( "\nYour tip should be " + money.format ( greatTip ) + "." );
99         System.out.println( "Your total will be " + money.format ( greatTotal ) + "." );
100    }
101    else if (service == 4 )
102    {
103        System.out.println( "\nYour tip should be " + money.format ( outstandingTip ) + "." );
104        System.out.println( "Your total will be " + money.format ( outstandingTotal ) + "." );
105    }
106    else
107    {
108        System.out.println( "\nOk, that wasn't an option. Just figure it out yourself.");
109    }
110
111 }
112
113 }
114 }

```