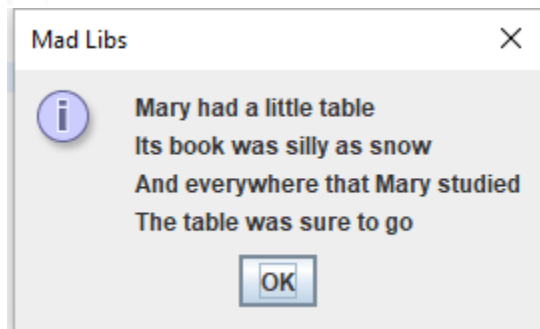


```

1 //Kevin Lopez 5/9/2019 Week 02 Lab 02
2 //This program asks for at least 4 or 5 words or numbers and then creates and displays a nursery rhyme with them.
3 import javax.swing.JOptionPane;
4
5
6 public class MadLibs {
7
8
9     public static void main(String[] args) {
10         //These are the strings we used in the rhyme
11         String firstWord, secondWord, thirdWord, fourthWord, fifthWord;
12         firstWord = JOptionPane.showInputDialog(null, "Enter a noun");
13         secondWord = JOptionPane.showInputDialog(null, "Enter another noun");
14         thirdWord = JOptionPane.showInputDialog(null, "Enter an adjective");
15         fourthWord = JOptionPane.showInputDialog(null, "Enter a past tense verb");
16         //fifthWord = JOptionPane.showInputDialog(null, "What is your name?");
17         String rhyme = "Mary had a little " + firstWord + "\n Its " + secondWord + " was " + thirdWord + " as snow\n" +
18             " And everywhere that Mary " + fourthWord + "\n The " + firstWord + " was sure to go ";
19
20         //JOptionPane is what we use to create windows to show the program in
21         JOptionPane.showMessageDialog(null, rhyme, "Mad Libs", JOptionPane.INFORMATION_MESSAGE);
22
23     }
24 }
25

```



```

10 //Kevin Lopez 5/9/2019 Week 02 Lab 02
11 //This program finds out the taxable income of a single filer.
12 import javax.swing.JOptionPane;
13
14 //I split the JOptionPane part into different lines because the 1 (one) line syntax was going passed the text border
15
16 public class TaxableIncome {
17
18     public static void main(String[] args) {
19
20         String income;
21         //asking for the income using JOptionPane
22         income = JOptionPane.showInputDialog(null,
23             "Please provide your taxable income:",
24             "Taxable Income dialog 1",
25             JOptionPane.QUESTION_MESSAGE);
26
27         int value = Integer.parseInt(income);
28         double output = 0;
29         //these if statements are here to find out how much the person gets taxed. It depends on where
30         //the income lies in this if statement block.
31         //The formulas were given by the lab
32         if(value >= 0 && value <= 9325) {
33             output = value * 0.10;
34         }
35         if(value > 9325 && value >= 37950) {
36             output = 932.50 + (0.15*(value-9325));
37         }
38         if(value > 37950 && value <= 91900) {
39             output = 5226.25 + (0.25*(value-37950));
40         }
41         if(value > 91900 && value <= 191650) {
42             output = 18713.75 + (0.28*(value-91900));
43         }
44         if(value > 191650 && value <= 416700) {
45             output = 18713.57 + (0.33*(value-191650));
46         }
47         if(value > 416700 && value <= 418400) {
48             output = 120910.25 + (0.35*(value-416700));
49         }
50         if(value > 418400) {
51             output = 121505.25 + (0.396*(value-418400));
52         }
53         //JOptionPane dialog box
54         JOptionPane.showMessageDialog(null,
55             "Your federal income tax is $" + output,
56             "Taxable Income dialog 2",
57             JOptionPane.INFORMATION_MESSAGE);
58     }
59 }

```

