

W02 Assignment: Program 2.2

Write a short Java program that does the following:

- * Tells the user what the program does.
- * Prompts the user to enter a value for the cost of their meal.
- * Gets the user's input and saves it in a variable declared as a double.
- * Prompts the user to enter a percentage value for the tip.
- * Gets the user's input and saves it in a variable declared as a double.
- * Calculates the value of the tip, using the percentage entered by the user.
- * Calculates the tax on the meal. The tax rate is 3.2%.
- * Calculates the total bill = meal cost + tip + tax.
- * Outputs the tip, the tax, and the total value of the bill.
All values will be formatted to show a dollar sign and 2 digits after the decimal point.
- * Outputs a goodbye message.

Here is an example of what your program should look like when it runs (user input is in green):

```
Given the price of a meal and a percentage to use for the tip,  
this program calculates the tip, the tax, and the total amount of the bill.  
Enter the cost of the meal: 12.50  
Enter the tip percentage: 15  
  
The tip is $1.88  
The tax is $0.40  
The total bill is $14.78  
Goodbye.
```