Method Worksheet

This worksheet will help you design the methods that you will create from the existing code.

* The parameters are the input that you get from the main program.
* The local variables are the details that can be hidden inside the method. You want to hide as many details as possible, so anything that can be a local variable should be.
* The return type is the type (int, double, char, boolean, String[] or String) of the data value that is returned from the method.

I’ve filled out the first one to help you get started.

1. The method reads in the dictionary file into an array.

Lines of code in the original program: 22-39

Parameters: String filename, String[] dictionary

Local variables: Scanner file; int wordsInDictionary, int i

Return type: int (returns the number of words in the array that were read from the file)

Method signature: public static int readDictionary(String filename, String[] dictionary)

When you implement this method, you will have moved the file stuff from the main program into a method. Both this method and the main program will have to add “throws FileNotFoundException” in their method header, like we did last week.

1. The method takes a word and scrambles the letters.

Lines of code in the original program: 52-66

Parameters:

Local variables:

Return type:

Method signature:

1. The method lets the user guess the word three times and determine if the user won or lost.

Lines of code in the original program: 68-81

Parameters:

Local variables:

Return type:

Method signature: