



second argument will be the file path you copied to our clip board.	
Type "badFile," then after the comma paste the contents of your clipboard.	
To test whether or not everything is working, return to the processStatistics class and add	<pre>*/ public class ProcessStatistics { public static void main(String[] args){</pre>
System.out.println(args.length); to the main method.	System.out.println(args.length); }
Run your program. The number "2" should display.	}
The first thing your project should test for is whether or not the user has passed in an argument. This can be done by checking the length of the args array. If the length is less than 1, no arguments are present and we need to print the usage statement.	<pre>blic class ProcessStatistics { public static void main(String[] args){ if(args.length < 1){ System.out.println("Usage:ProcessText file1 [file2]"); }else{} } }</pre>
Modify the main method to include this check by replacing the	
System.out.println(args.length);	
with,	
if(args.length < 1){	
System.out.println("Usage:ProcessText file1 [file2]");	
}else{}	

If an argument has been passed, we can create a File object out of the argument. For this project we need to create File objects out of all the arguments, then process the associated statistics. To do this we will need a loop. Add the following loop to the else clause. This loop will iterate through all the	<pre> */ public class ProcessStatistics { public static void main(String[] args){ if(args.length < 1){ System.out.println("Usage:ProcessText file1 [file2]"); }else{ for(String arg : args){</pre>
arguments passed (args) and will turn each into a File object. Notice you have an error, we will fix that next.	

——— space

To fix the error, click on the light bulb and import the required File library	<pre>if(args.length < 1){ System.out.println("Usage:ProcessText file1 [file2]"); }else{ for(String arg : args){</pre>
	Eile file = new File(arg); • Addimport for java.io.File • Create class "File" in package textstatistics4 (Source Packages) • Create class "File" with constructor "File(java.lang.String)" in package textstatistics4 (Source Packages) • Create class "File" in textstatistics4.ProcessStatistics • Create class "File" in textstatistics4.ProcessStatistics4 • Create class "File" in textstatistics4.ProcessStatistics4 • Create class "File" in textstatistics
The bulk of the code for this project will take place in the TextStatistics constructor. Go to the TextStatistics class. Create a constructor which accepts a File object as a parameter. Add the File library import just as you did before.	<pre>* @author pluska */ public class TextStatistics4 implements TextStatisticsInterface{ public TextStatistics4(<i>File</i> file){ }</pre>

With our TextStatistics constructor written, we now can create objects with our new Files. Return to the ProcessStatistics class and add the following to the else clause, TextStatistics ts =	<pre>va 10 11 * @author pluska */ public class TextStatistics4 implements TextStatisticsInterface{ 13 ace. 15 16 2</pre>
new TextStatistics(file);	
Now return to the TextStatistics class. In order to process our File we need to retrieve the file that was passed from the TextStatistics class and create a Scanner to scan its contents. Create a File instance variable called "textFile" and a Scanner instance variable called "fileScan". These should be declared as private as shown right. In the constructor, assign the parameter file to textFile and create a new Scanner with the textFile. Notice we have an error	<pre>* @author pluska */ public class TextStatistics4 implements TextStatisticsInterface{ private File textFile; private Scanner fileScan; public TextStatistics4(File file){ textFile = file; fileScan = new_Scanner(textFile); } </pre>
The error occurs, because java needs you to check whether or not the file to be scanned is valid. You can do this with a try-catch. Click on the light bulb next to the error and select "Surround statement with try-catch"	<pre>va 16 private File textFile; private Scanner fileScan; i 9 20 public TextStatistics4(File file){ 21 textFile = file; 23 fileScan = new_Scanner(textFile); 24 vaddthrows clause for java.io.FileNotFoundException value Surround Statement with try-catch value Surround Block with try-catch value Surround Surr</pre>

In the catch clause, delete the default error message and replace with your own as shown right.	<pre>try { fileScan = new Scanner(textFile); } catch (FileNotFoundException ex) { //_ogger.getLogger(TextStatistics4.class.getNa System.out.println("File cannot be located"); }</pre>
Now that we have our file loaded in our scanner we can scan it for information. For example, the number of lines of text.	private File textFile; private Scanner fileScan; private int lineCount; <
Create a new state variable called lineCount.	<pre>public TextStatistics4(File file){ textFile = file;</pre>
<pre>In the try clause, add the following, while(fileScan.hasNextLine()){ fileScan.nextLine(); lineCount++; } In the above code, "hasNextLine()" is a boolean. It checks whether or not there is another line of code in the document. If there is we increment lineCount and go to the next line (fileScan.nextLine()). We continue this process until there are no more lines.</pre>	<pre>tokulite = file; try { fileScan = new Scanner(textFile); while(fileScan.hasNextLine()){ fileScan.nextLine(); lineCount++; } } catch (FileNotFoundException ex) {</pre>

Now that we have counted all the lines, we need a method which allows the main driver method access to the value. Notice that we declared lineCount as private. As a private variable the main method cannot access the value.

Go to the method "getLineCount()". This was one of the abstract methods we implemented from the interface. Delete the default code and add the return statement, "return lineCount". Because this is a public method, the main method can access it.



