Maddison Kiefer

Dr. Schwartz

Java Programming

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**Project 6-1 Creating a Method**

**Source Code:**

//@author Maddison Kiefer

import java.util.Scanner;

public class toArray {

// Method to convert a comma-separated string to an array of strings

public static String[] stringToArray(String value) {

String words[];

// Checks if the input string is empty

try {

if("".equals(value)) {

throw new Exception("String cannot be empty.");

}

// Splits input into an array of strings

words = value.split(",");

// Trims the extra spaces from each element

for(int i = 0; i < words.length; i++) {

words[i] = words[i].trim();

}

// Checks if the input string is greater than 3

if(words.length < 3) {

throw new Exception("There are not enough values.");

}

// Checks if the input string is less than 3

else if(words.length > 3) {

throw new Exception("There are more than three values.");

}

else {

System.out.println();

System.out.println("Success!");

System.out.println();

System.out.println("The values are: ");

// Returns the array

return words;

}

}

// Catches the exceptions and prints the error message

catch(Exception e) {

System.out.println(e.getMessage());

}

// Returns an empty array if there is an error

return new String[0];

}

// Main method

public static void main(String[] args) {

Scanner scnr = new Scanner(System.in);

String input;

String[] words;

// Receive the user inputs

System.out.print("Enter three values separated by commas: ");

input = scnr.nextLine();

// Calls the stringToArray method on the input

words = stringToArray(input);

// Prints the elements if there are three of them

if(words.length == 3) {

for(int i = 0; i < words.length; i++) {

System.out.println(words[i]);

}

}

}

}

**Executing the Application:**











