**Module 6 Option 1 Critical Thinking Assignment**

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CSC320: Programming I

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**Source Code**

import java.util.Scanner;

public class RedGreenBlue {

public static String isRedGreenBlue(Scanner userInput, int colorType) {

// colorType 0 = red, 1 = green, 2 = blue

String color;

String returnMessage;

try {

color = userInput.nextLine();

System.***out***.println("You typed: " + color);

if (colorType == 0) {

if (color.compareToIgnoreCase("red") != 0) {

throw new Exception("This is not 'red'!");

} else {

returnMessage = "Success";

}

} else if (colorType == 1){

if (color.compareToIgnoreCase("green") != 0) {

throw new Exception("This is not 'green'!");

} else {

returnMessage = "Success";

}

} else if (colorType == 2) {

if (color.compareToIgnoreCase("blue") != 0) {

throw new Exception("This is not 'blue'!");

} else {

returnMessage = "Success";

}

} else {

throw new Exception("Invalid color type requested.");

}

} catch (Exception except) {

returnMessage = "Failure! " + except.getMessage();

}

return returnMessage;

}

public static void main(String args[]) {

Scanner userInput = new Scanner(System.***in***);

String color;

int counter;

String userColor;

System.***out***.println("This will test your ability to type colors.");

counter = 0;

do {

switch (counter) {

case 0:

color = "red";

break;

case 1:

color = "green";

break;

case 2:

color = "blue";

break;

default:

color = "none";

break;

}

System.***out***.println("Please type the word " + color + ".");

userColor = *isRedGreenBlue*(userInput,counter);

System.***out***.println(userColor);

System.***out***.println();

counter++;

} while (counter < 3);

System.***out***.println("Thank you for your time.");

}

}

**Screenshot**

