

Unit 8 Chapter 18 Assignment

Grading Information: This Program is **due** on **Date Specified**.

Comments are **REQUIRED**; flow charts and pseudocode are **NOT REQUIRED**.

Directions	Points
<p>The files must be called <LiFiUnit8Ch18.java></p> <p>The files must be called as specified above, (LiFi = Your Last Initial Your First Initial)</p> <p><i>Proper coding conventions required the first letter of the class start with a capital letter and the first letter of each additional word start with a capital letter.</i></p> <p>Only submit the .java files needed to make the program run. Do not submit the .class files or any other files.</p>	5%
<p>Style Components</p> <p>Include properly formatted prologue, comments, indenting, and other style elements as shown in Chapter 2 starting page 64 and Appendix 5 page 881-892.</p>	5%
<p>Topics covered in chapter</p> <p>Topics with * are covered in this assignment. Ensure you use every item listed below in your completed assignment.</p> <p>*GUI Design and Layout Mangers</p> <p>*FlowLayout manger</p> <p>BoxLayout manager</p> <p>GridLayout Manager</p> <p>*JPanel Class</p> <p>JTextArea Component</p> <p>JCheckBox Component</p> <p>JRadionButton Component</p> <p>JComboBox Component</p>	
<p>Basic Requirements</p> <p>Write a program that that displays a JFrame window with 5 buttons. The buttons will be used to control the background color.</p> <p>The button's text will be randomly chosen from 5 colors and the background color will change to the color shown on the button.</p> <p>See sample output below.</p>	

LiFiUnit8Ch18.java

- Create a JFrame window
 - Display 5 buttons showing 1 color each in a random order from the choices: Red, Blue, Yellow, Green, White
 - Ensure no color name is duplicated
- Upon clicking a button:
 - Background color should change depending on which button was clicked and which color name was on that button
 - Buttons should reorganize themselves in a random order
- I recommend a loop to NOT pick the same color for button 2 after button 1 color was chosen. The same for the remaining buttons. You are free to handle this functionality any way you like.
- Mimic the same session precisely. Pay attention to colors of the window and label.

90%

NOTE: Complete your activity and submit it by clicking “Submit Assignment”

Total Percentage

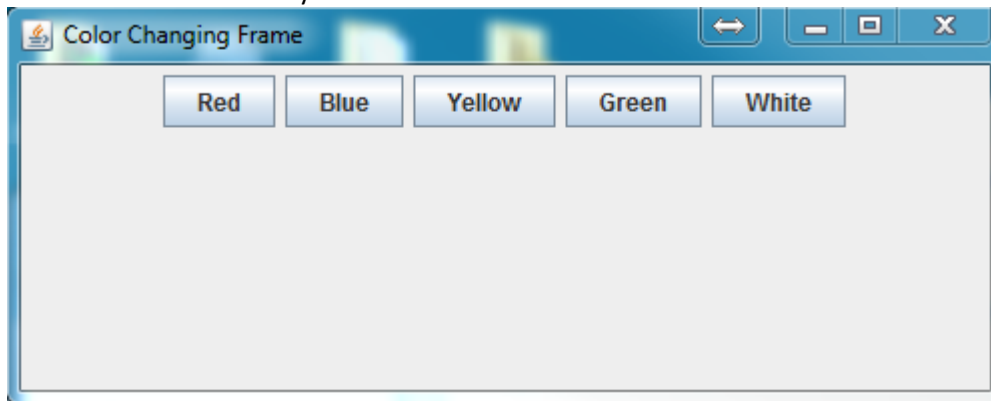
100%

Sample

Your output will vary based on the random colors order.

Ignore the arrow on the title bar.

Initial window before any color is selected



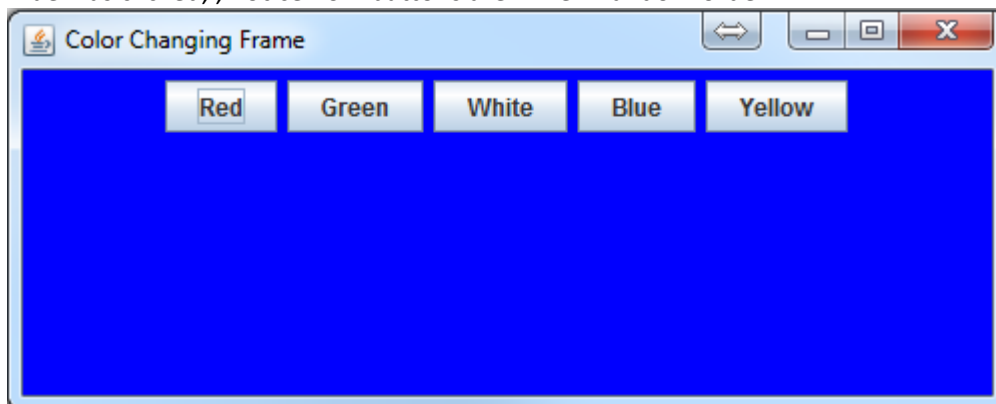
Random Colors listed on each button. Background color changes to particular button when clicked. Yellow was clicked, notice how buttons are in new random order.



Random Colors listed on each button. Background color changes to particular button when clicked. Green was clicked, notice how buttons are in new random order.



Random Colors listed on each button. Background color changes to particular button when clicked. Blue was clicked, , notice how buttons are in new random order.



Other colors and button orders function the same way.