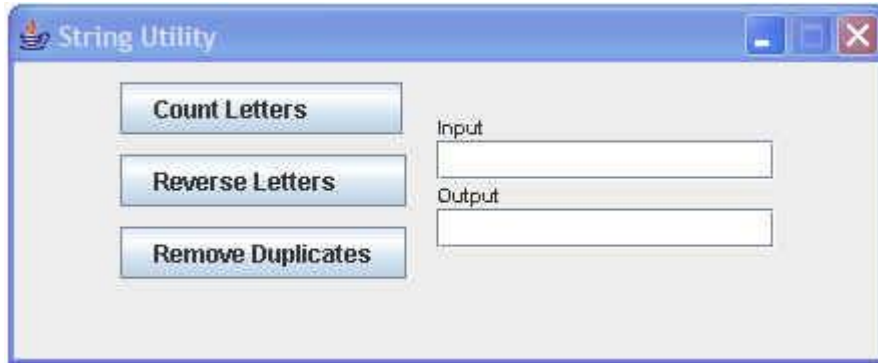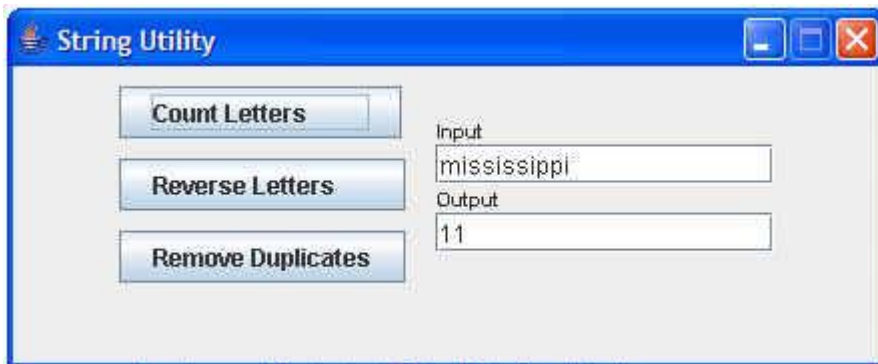# Programming Exercise 6-2

Write the Swing code necessary to create the following screen:
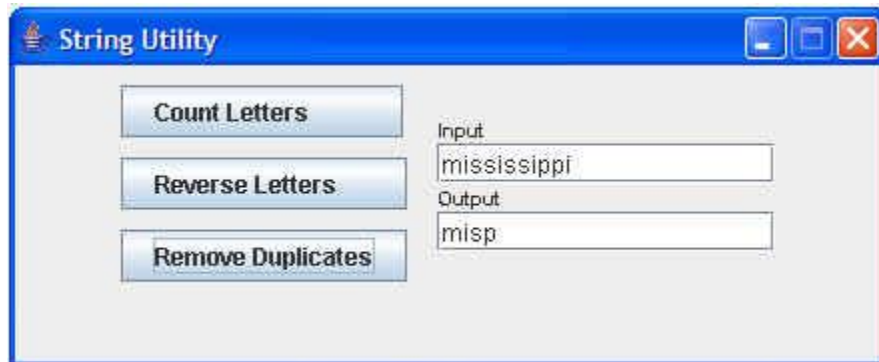


Create the necessary ActionListeners so that, when Count Letters is clicked, the number of characters in the Input field is placed in the Output field,



and, when Reverse Letters is clicked, the letters in the input area are reversed and placed in the output area,

and, when the Remove Duplicates is clicked, the duplicate letters are removed and the result is placed in the output area.



Each of the buttons should have an associated ActionListener; however, implement the ActionListener for the Remove Duplicates button using a lambda expression.

Please create an executable jar file for this exercise.