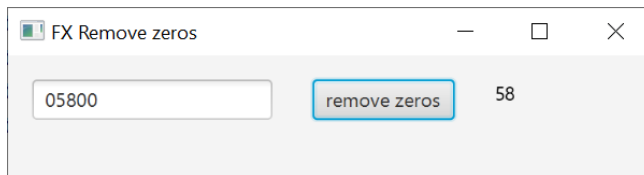


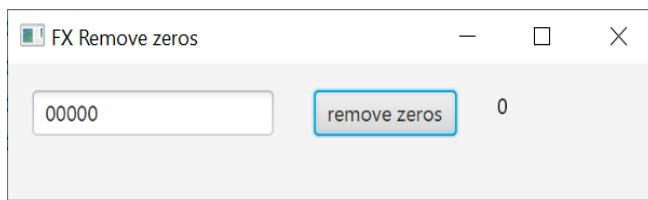
For this question you are asked to create a JavaFX GUI program which removes the leading and the trailing zeros of an integer.

The GUI consists of a TextField, a Button, and a Text elements as shown below.

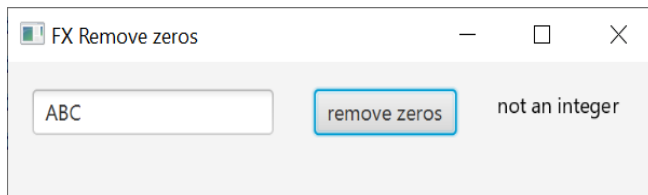
When the button is clicked, the string in the text field is read and converted to an integer. This integer has its trailing and leading zeros removed. The result is placed into the message to the right. The value in the text field is not changed from what the user entered.



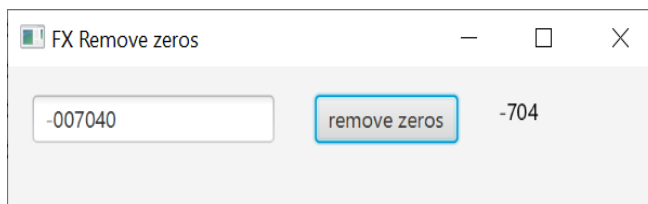
After the button is clicked, the zero before the 5 and the zeros after the 8 are removed, and the result is put in the message to the right of the button.



After the button is clicked, the leading and the trailing zeros are removed and only one 0 is displayed as a message.



After the button is clicked, with ABC in the text field, an error message is displayed in the message as shown in the left picture.



After the button is clicked, the leading and trailing zeros are removed. Note that the 0 between the 7 and 4 stays. Negative numbers are integers.

Hints:

- You may choose to use strings or use numbers with integer division and mod 10.
- Consider how to use exceptions to solve this problem.