* Lab due on the due date specified in Canvas.
* Purpose: To practice using the String methods are are available in the String class.
  + Test how the methods work.

Requirements

1. Write a Java program using IntelliJ IDE.
2. The class name must be class **Week4\_StringMethods**.
3. Input
   1. Ask user to input 2 strings, max 50 chars, that will be used to test the string manipulation methods.
   2. Save the 2 input strings so the original strings are preserved.
4. Processing
   1. Test out the 7 string methods listed below.
   2. Use the original data to test these functions. Use these seven methods:
      1. **charAt(),**
      2. **compareTo(),**
      3. **endsWith(),**
      4. **indexOf(),**
      5. **length(),**
      6. **substring().**
      7. **toLowercase()**
5. Notes
   1. If need help understanding these string methods, try <https://www.tutorialspoint.com/java/java_strings.htm>
6. Output
   1. After testing each string method, print out the results of the operations.
   2. Make sure your output is laid out in an easy-to-read format.
   3. The input data chosen to test the program is up to the student.

Deliverables

1. Student will upload the Java file to the appropriate Canvas assignment.
2. I want just the Java file. I will cop and paste the file into my Java IDE and test your program.