1. Select **five** methods from the **String JavaDocs** and describe the following for each:

  (a) What is the method signature?

     1. - .charAt()
     2. - .isBlank()
     3. - .length()
     4. - .repeat()
     5. - .toLowerCase()

  (b) What does the method do?

     1. The .charAt method returns the value of a string at the specified index
     2. The .isBlank method is a boolean that will return true if the string is empty or only contains spaces, otherwise, false is returned.
     3. The .length method returns the length of whatever string is put in the argument line.
     4. The .repeat method returns a string concatenated with itself and repeated the input amount of times.
     5. The .toLowerCase method converts all the characters in the string input to lowercase.

  (c) Why would this method be useful (how could you use it)?

     1. This method is useful to find the character or typically, letter inside a String.
     2. This method would be useful to test a string and confirm if it is empty or not.
     3. This method would be helpful to confirm the length of a string.
     4. This method would help create a repetitive string if needed to create multiple copies of the string.
     5. This method would help with any issues in the program thinking capital letters not being equal to a lower case letter.

3. What is your favorite thing you learned this week?

  My favorite thing I learned this week is how to create methods. I know that this information is the so-called "breaking point" into software engineering and will make future projects easier and faster.

Site 1 :
"https://docs.oracle.com/en/java/javase/17/docs/api/java.base/java/lang/String.html"