

Worksheet 6

String Functions

Create a program which allows the user to input a phrase and then print out some statistics about that phrase.

Display

- a) repeat the phrase
- b) the length of the phrase (hint: use `phrase.length()`)
- c) the first character (hint: try `phrase.charAt(0)`)
- d) the phrase in lower case (hint: try `phrase.toLowerCase()`)
- e) the phrase in upper case
- f) identify the index number for the first occurrence of the letter, "a" (try: `phrase.indexOf("a")`)
- g) replace all "a"'s with dashes (try: `phrase.replaceAll("a","-")`)

Make your program output EXACTLY as shown in the sample session below.

Sample Session1	Sample Session 2
<pre>Enter something > big adventure ahead You entered big adventure ahead concatenation: big adventure ahead big adventure ahead length: 19 first char: b lower case: big adventure ahead upper case: BIG ADVENTURE AHEAD first occurrence of "a": 4 all "a"'s become "-": big -dventure -he-d</pre>	<pre>Enter something > Hello World You entered Hello World concatenation: Hello World Hello World length: 11 first char: H lower case: hello world upper case: HELLO WORLD first occurrence of "a": not found all "a"'s become "-": not found</pre>

Special Note about displaying DOUBLE QUOTES within a string.

If you wish to display, the double quotes character, while at the same time, outputting a string, use the escape sequence, `\`

e.g. `System.out.println("here's what Dave said, \"Work Hard\". ");`