Quick Write: Loops and Strings

Write these short methods out by hand. Just focus on the method itself. No need for a class here.

1. Write a method named `stringPack` with one parameter, a string array named `strings`, that returns a new `String` that is a concatenation of all the strings in the array.

2. Write a method named `countCs` with two parameters, a string named `str` and a character named `c`, that returns the number of characters in `str` that are equal to the parameter `c`.

3. Write a method named `checkNoCs` with two parameters, a string named `str` and a character named `c`, that returns `true` if and only if there are no characters in `str` that are equal to the parameter `c`.

4. Write a method named noDukes with one parameter, a string array named `strings`, that returns a new array with the same strings except for any strings equal to "Duke".

5. Look back through your solutions and compare and contrast iterating over strings and arrays. Write down at least two differences between using a `String` variable and a `String[]` variable.