

CPSC 319
Data Structures, Algorithms, and Their Applications
Winter 2024

String vs StringBuilder

- Strings:
 - Immutable
 - Operations create new strings
 - Original string remains unchanged
 - Slower for frequent modifications
 - Suitable for static content
- StringBuilder:
 - Mutable
 - More efficient for frequent modifications
 - Suitable for dynamic content

Anagrams

- An anagram is a word or phrase formed by rearranging the letters of a different word or phrase
- Dormitory = dirty room
- Editor = redo it
- Dictionary = indicatory

How to check if 2 strings are anagrams?

1. Remove spaces and punctuation, and convert to lowercase
2. Convert strings to character arrays
3. Sort character arrays
4. Compare sorted character arrays