**Let's begin by understanding the Constructor Methods:**

* **The default constructor initializes variables instantly, so it takes constant time - O(1).**
* **Constructors that accept regular strings or other MyString instances take linear time, O(n), where 'n' is the length of the input string.**

**Now, let's talk about the Static Method length(MyString other):**

* **It calculates the length of a MyString instance in linear time, O(n), where 'n' is the length of the string.**

**Methods Involving Iteration:**

* **Methods like toUpper(), toLower(), and equality checks (equals()) work in linear time, O(n), where 'n' is the length of the string.**
* **The get() method, which retrieves a character by index, works in constant time, O(1).**
* **Substring methods (substring()) and substring searching methods (indexOf() and lastIndexOf()) could take around O(n \* m) time in the worst case, where 'n' is the source string's length and 'm' is the target substring's length.**

**Complex Operations:**

* **Concatenating (concat()) and comparing (compareTo()) two MyString instances take O(n + m) time, where 'n' and 'm' are the lengths of the two strings.**
* **The ensureCapacity() method, which involves copying, can have a time complexity of approximately O(n) in most scenarios.**