String - Assignment

Do the given problems using JavaScript.

1. Write a Program to truncate a string to a certain number of words.

   Example:- Input: "The quick brown fox jumps over the lazy dog", 4

   Output: "The quick brown fox"

2. Write a Program to remove the first occurrence of a given 'search string' from a string.

   Example:- Input: "The quick brown fox jumps over the lazy dog", 'the'

   Output: "The quick brown fox jumps over lazy dog"

3. Write a Program to find a word within a string.

   Example:- Input: 'The quick brown fox', 'fox'

   Output: "'fox' was found 1 times."

4. Write a Program to check if a given string is in the Flat case or not.

   Flat case: As the name implies, flatcase refers to the use of lowercase letters, with no spaces between words.

   Example: Input: 'JavaScriptExercises'

   'javascriptexercises'

   Output: false

   true

5. Write a Program to get the successor of a string.

   Note: The successor is calculated by incrementing characters starting from the rightmost alphanumeric (or the rightmost character if there are no alphanumerics) in the string. Incrementing a digit always results in another digit, and incrementing a letter results in another letter of the same case. If the increment generates a carry, the character to the left of it is incremented. This process repeats until there is no carry, adding an additional character if necessary.

   Example: Input: "abcd"

   Output: "abce"