

1. Write a function that takes a string and returns a new string with all vowels removed.
2. Write a function that takes a string and returns a new string with all consonants removed.
3. Write a function that takes a string and returns a new string with all punctuation removed.
4. Write a function that takes a string and returns a new string with all digits removed.
5. Write a function that takes a string and returns a new string with all whitespaces removed.
6. Write a function that takes a string and returns a new string with all characters reversed.
7. Write a function that takes a string and returns True if it is a palindrome, False otherwise.
8. Write a function that takes a string and returns a new string with all words in the string reversed.
9. Write a function that takes a string and returns a new string with all words in the string capitalized.
10. Write a function that takes a string and returns a new string with all words in the string lowercased.
11. Write a function that takes a string and returns a new string with all words in the string uppercased.
12. Write a function that takes a string and a character and returns the number of occurrences of that character in the string.
13. Write a function that takes a string and returns a new string with all duplicate characters removed.
14. Write a function that takes a string and a character and returns a new string with all occurrences of that character removed.
15. Write a function that takes a string and returns a new string with the first character of each word capitalized.
16. Write a function that takes a string and returns a new string with the last character of each word capitalized.
17. Write a function that takes a string and returns a new string with the first and last character of each word capitalized.
18. Write a function that takes a string and returns a new string with all words in the string sorted alphabetically.
19. Write a function that takes a string and returns a new string with all words in the string sorted in reverse alphabetical order.
20. Write a function that takes a string and returns a new string with the longest word in the string capitalized.



21. Write a function that takes a string and returns a new string with the shortest word in the string capitalized.
22. Write a function that takes a string and returns a new string with the longest word in the string removed.
23. Write a function that takes a string and returns a new string with the shortest word in the string removed.
24. Write a function that takes a string and a character and returns a new string with all occurrences of that character replaced with another character of your choice.
25. Write a function that takes a string and a word and returns a new string with all occurrences of that word replaced with another word of your choice.
26. Write a function that takes a string and returns a new string with all words in the string sorted by length.
27. Write a function that takes a string and returns a new string with all words in the string sorted by length in reverse order.
28. Write a function that takes a string and returns a new string with all words in the string sorted in alphabetical order, but with vowels coming before consonants.
29. Write a function that takes a string and returns a new string with all words in the string sorted in reverse alphabetical order, but with consonants coming before vowels.
30. Write a function that takes a string and returns a new string with all words in the string sorted in alphabetical order, but with punctuation coming before letters.

