12/24/2018 String - LeetCode

String

```
Roman to Integer (/problems/roman-to-integer)
13
344
       Reverse String (/problems/reverse-string)
6
        ZigZag Conversion (/problems/zigzag-conversion)
14
       Longest Common Prefix (/problems/longest-common-prefix)
       Longest Substring Without Repeating Characters (/problems/longest-
3
       substring-without-repeating-characters)
                                                                                          String M[] = {"", "M", "MMM", "MMM");
String C[] = {"", "C", "CC", "CCC", "CD", "D", "DC", "DCC", "DCCC", "CM"};
String X[] = {"", "X", "XX", "XX", "XX", "L", "L", "LX", "LXX", "LXX", "LXX", "XX", "XX");
String X[] = {"", "I", "II", "II", "IV", "V", "VII", "VIII", "VIII", "XI");
return M[num/1000] + C[(num%1000)/100] + X[(num%100)/10] + I[num%10];
12
       Integer to Roman (/problems/integer-to-roman)
20
       Valid Parentheses (/problems/valid-parentheses)
5
       Longest Palindromic Substring (/problems/longest-palindromic-substring)
                                                       extend
38
       Count and Say (/problems/count-and-say)
22
       Generate Parentheses (/problems/generate-parentheses)
                                                  backtracking
17
       Letter Combinations of a Phone Number (/problems/letter-combinations-of-
       a-phone-number)
                                              backtracking
10
       Regular Expression Matching (/problems/regular-expression-matching)
929
       Unique Email Addresses (/problems/unique-email-addresses)
151
       Reverse Words in a String (/problems/reverse-words-in-a-string)
67
       Add Binary (/problems/add-binary)
49
       Group Anagrams (/problems/group-anagrams)
72
       Edit Distance (/problems/edit-distance) DP
8
        String to Integer (atoi) (/problems/string-to-integer-atoi)
657
       Robot Return to Origin (/problems/robot-return-to-origin)
273
       Integer to English Words (/problems/integer-to-english-words)
804
       Unique Morse Code Words (/problems/unique-morse-code-words)
```

Input: "babad" Output: "bab"

Note: "aba" is also a valid answer.

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	557	Reverse Words in a String III (/problems/reverse-words-in-a-string-iii)
	43	Multiply Strings (/problems/multiply-strings)
	709	To Lower Case (/problems/to-lower-case)
~	383	Ransom Note (/problems/ransom-note)
~	387	First Unique Character in a String (/problems/first-unique-character-in-a-string)
~	76	Minimum Window Substring (/problems/minimum-window-substring)
	336	Palindrome Pairs (/problems/palindrome-pairs)
	345	Reverse Vowels of a String (/problems/reverse-vowels-of-a-string)
	65	Valid Number (/problems/valid-number)
	32	Longest Valid Parentheses (/problems/longest-valid-parentheses)
~	93	Restore IP Addresses (/problems/restore-ip-addresses)
	647	Palindromic Substrings (/problems/palindromic-substrings)
	115	Distinct Subsequences (/problems/distinct-subsequences)
	125	Valid Palindrome (/problems/valid-palindrome)
	30	Substring with Concatenation of All Words (/problems/substring-with-concatenation-of-all-words)
	165	Compare Version Numbers (/problems/compare-version-numbers)
~	91	Decode Ways (/problems/decode-ways)
~	681	Next Closest Time (/problems/next-closest-time) ■
	609	Find Duplicate File in System (/problems/find-duplicate-file-in-system)
	214	Shortest Palindrome (/problems/shortest-palindrome)
~	97	Interleaving String (/problems/interleaving-string)
	58	Length of Last Word (/problems/length-of-last-word)
	87	Scramble String (/problems/scramble-string)
	71	Simplify Path (/problems/simplify-path)
	126	Word Ladder II (/problems/word-ladder-ii)
	44	Wildcard Matching (/problems/wildcard-matching)

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	68	Text Justification (/problems/text-justification)
	227	Basic Calculator II (/problems/basic-calculator-ii)
	696	Count Binary Substrings (/problems/count-binary-substrings)
	770	Basic Calculator IV (/problems/basic-calculator-iv)
	564	Find the Closest Palindrome (/problems/find-the-closest-palindrome)
	606	Construct String from Binary Tree (/problems/construct-string-from-binary-tree)
	521	Longest Uncommon Subsequence I (/problems/longest-uncommon- subsequence-i)
	541	Reverse String II (/problems/reverse-string-ii)
	686	Repeated String Match (/problems/repeated-string-match)
~	159	Longest Substring with At Most Two Distinct Characters (/problems/longest-substring-with-at-most-two-distinct-characters)
~	632	Smallest Range (/problems/smallest-range)
~	340	Longest Substring with At Most K Distinct Characters (/problems/longest-substring-with-at-most-k-distinct-characters)
	161	One Edit Distance (/problems/one-edit-distance)
	788	Rotated Digits (/problems/rotated-digits)
	537	Complex Number Multiplication (/problems/complex-number-multiplication)
	819	Most Common Word (/problems/most-common-word)
	767	Reorganize String (/problems/reorganize-string)
	761	Special Binary String (/problems/special-binary-string)
	158	Read N Characters Given Read4 II - Call multiple times (/problems/read-n-characters-given-read4-ii-call-multiple-times)
	459	Repeated Substring Pattern (/problems/repeated-substring-pattern)
	890	Find and Replace Pattern (/problems/find-and-replace-pattern)
	553	Optimal Division (/problems/optimal-division)
	539	Minimum Time Difference (/problems/minimum-time-difference)
	157	Read N Characters Given Read4 (/problems/read-n-characters-given-read4)

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443	String Compression (/problems/string-compression)
722	Remove Comments (/problems/remove-comments)
680	Valid Palindrome II (/problems/valid-palindrome-ii)
385	Mini Parser (/problems/mini-parser)
520	Detect Capital (/problems/detect-capital)
730	Count Different Palindromic Subsequences (/problems/count-different-palindromic-subsequences)
772	Basic Calculator III (/problems/basic-calculator-iii)
249	Group Shifted Strings (/problems/group-shifted-strings) ■
937	Reorder Log Files (/problems/reorder-log-files)
583	Delete Operation for Two Strings (/problems/delete-operation-for-two-strings)
791	Custom Sort String (/problems/custom-sort-string)
186	Reverse Words in a String II (/problems/reverse-words-in-a-string-ii)
736	Parse Lisp Expression (/problems/parse-lisp-expression)
556	Next Greater Element III (/problems/next-greater-element-iii)
856	Score of Parentheses (/problems/score-of-parentheses)
678	Valid Parenthesis String (/problems/valid-parenthesis-string)
635	Design Log Storage System (/problems/design-log-storage-system) ▲
434	Number of Segments in a String (/problems/number-of-segments-in-a-string)
551	Student Attendance Record I (/problems/student-attendance-record-i)
468	Validate IP Address (/problems/validate-ip-address)
893	Groups of Special-Equivalent Strings (/problems/groups-of-special-equivalent-strings)
271	Encode and Decode Strings (/problems/encode-and-decode-strings)
293	Flip Game (/problems/flip-game) ■
544	Output Contest Matches (/problems/output-contest-matches)

899	Orderly Queue (/problems/orderly-queue)
917	Reverse Only Letters (/problems/reverse-only-letters)
522	Longest Uncommon Subsequence II (/problems/longest-uncommon- subsequence-ii)
859	Buddy Strings (/problems/buddy-strings)
824	Goat Latin (/problems/goat-latin)
833	Find And Replace in String (/problems/find-and-replace-in-string)
616	Add Bold Tag in String (/problems/add-bold-tag-in-string)
842	Split Array into Fibonacci Sequence (/problems/split-array-into-fibonacci-sequence)
809	Expressive Words (/problems/expressive-words)
916	Word Subsets (/problems/word-subsets)
848	Shifting Letters (/problems/shifting-letters)
831	Masking Personal Information (/problems/masking-personal-information)
800	Similar RGB Color (/problems/similar-rgb-color)
936	Stamping The Sequence (/problems/stamping-the-sequence)
536	Construct Binary Tree from String (/problems/construct-binary-tree-from-string) ■
527	Word Abbreviation (/problems/word-abbreviation) ■
816	Ambiguous Coordinates (/problems/ambiguous-coordinates)
591	Tag Validator (/problems/tag-validator)
408	Valid Word Abbreviation (/problems/valid-word-abbreviation) ■
925	Long Pressed Name (/problems/long-pressed-name)
758	Bold Words in String (/problems/bold-words-in-string) ■
555	Split Concatenated Strings (/problems/split-concatenated-strings)