WEEK 2 - MATH, STRINGS

DAY 1- BASIC MATH

tasks:

https://leetcode.com/problems/subtract-the-product-and-sum-of-digits-of-an-integer/

https://leetcode.com/problems/self-dividing-numbers

https://leetcode.com/problems/spiral-matrix/

https://leetcode.com/problems/spiral-matrix-ii/

DAY 2 - STRINGS (WHAT ARE STRINGS AND VARIOUS OPERATIONS ON THEM)

https://leetcode.com/problems/defanging-an-ip-address/

https://leetcode.com/problems/decrypt-string-from-alphabet-to-integer-mapping/

https://www.hackerearth.com/practice/algorithms/string-algorithm/basics-of-string-manipulation/practice-problems/algorithm/password-1/

DAY 3 - OVERVIEW OF ALL STRING LIBRARY FUNCTIONS AND STRING HASHING

https://leetcode.com/problems/find-common-characters/

https://leetcode.com/problems/permutation-in-string/ (SLIDING WINDOW)

DAY 4- PATTERN SEARCHING (NAIVE AND KMP)

https://www.geeksforgeeks.org/naive-algorithm-for-pattern-searching/

https://practice.geeksforgeeks.org/problems/subsequence-matching/0

https://leetcode.com/problems/longest-common-prefix/

DAY 5 - LONGEST PALINDROMIC SUBTRING (NAIVE AND MANACHERS)

https://leetcode.com/problems/longest-palindromic-substring/

DAY 6- BREAK

DAY 7- SOME MORE PROBLEMS

https://leetcode.com/problems/minimum-moves-to-equal-array-elements/

https://leetcode.com/problems/fizz-buzz/description/

https://leetcode.com/problems/plus-one/description/

https://leetcode.com/problems/excel-sheet-column-number/description/

https://leetcode.com/problems/power-of-two/description/

https://leetcode.com/problems/reverse-words-in-a-string-iii/description/

https://leetcode.com/problems/reverse-vowels-of-a-string/description/

https://leetcode.com/problems/rectangle-overlap/ --> bonus

https://www.hackerearth.com/practice/algorithms/string-algorithm/basics-of-string-manipulation/practice-problems/algorithm/largest-balanced-string-bf93ce85/

-->bonus

sieve of Eratosthenes →bonus

https://www.geeksforgeeks.org/sieve-of-eratosthenes/

LEARNING RESOURCES

https://www.youtube.com/watch?v=1ZGJzvkcLsA

https://www.youtube.com/watch?v=NO1zLdOwgR0

https://www.youtube.com/watch?v=V5-7GzOfADQ

https://medium.com/hackernoon/manachers-algorithm-explained-longest-palindromic-substring-22cb27a5e96f

https://www.geeksforgeeks.org/stdstring-class-in-c/