



# INTERVIEW QUESTIONS

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01

## 3 Sum Closest

Given an integer array `nums` of length `n` and an integer target, find `three` integers in `nums` such that the sum is closest to target.

Example-

Input: `nums = [-1,2,1,-4]`, `target = 1`

Output: 2



02

## Longest Substring Without Repeating Characters

Given a string **s**, find the length of the longest substring without repeating characters.

Example-

Input: s = "abcabcbb"

Output: 3



# 03

## Generate Parentheses

Given  $n$  pairs of parentheses, write a function to generate all combinations of well-formed parentheses.

Example-

Input:  $n = 3$

Output: ["((()))", "(()())", "(())()", "()(())", "()()()"]



04

## Subarrays with K Different Integers

Given an integer array **nums** and an integer **k**, return the number of good subarrays of **nums**.

Example-

Input: **nums** = [1,2,1,2,3], **k** = 2

Output: 7



05

## Multiply Strings

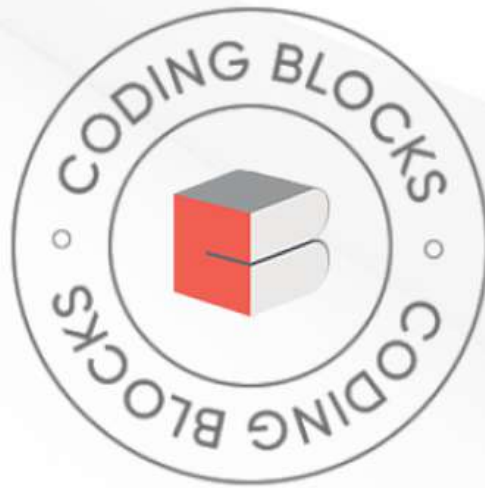
Given two non-negative integers `num1` and `num2` represented as strings, return the product of `num1` and `num2`, also represented as a string.

Example-

Input: `num1 = "2"`, `num2 = "3"`

Output: `"6"`





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