



MONKEYKRAFT CODERS

Presentation 2023

Presented By:

**Karishma Gawali
Rithik Shetty
Pranali Chipkar
Mittul Sharma**





Introduction

- **Welcome to MonkeyKraft Coders, your all-encompassing platform dedicated to honing your coding skills.**
- **Our mission is to provide a rich variety of coding challenges that cater to all skill levels, ensuring a dynamic and effective learning experience.**



Languages & Framework

- **Typescript**
- **Javascript**
- **Css**
- **Python**
- **Html**
- **Mongoose**
- **MongoDB**
- **PostMan**
- **Express**
- **React**
- **BCrypt**
- **Acorn**



Features

- **Problem Sets**
- **Coding Playground**
- **Submission and Evaluation**
- **User Profiles**



Home Page

MonkeyKraft Coders

[Log In](#)

[Sign Up](#)

Explore

Scale the heights of coding excellence alongside MonkeyKraft Coders. Advance your skills, triumph over challenges, and excel in technical interviews, propelling your programming journey to unparalleled success.

[Get Started](#)

Login Page

A screenshot of a web browser window. The address bar shows 'localhost:3000/login'. The page has a black background. In the center is a white rectangular box containing the login form. The form has the text 'MonkeyKraftCoders' at the top, followed by 'Log In'. Below this are two input fields: 'Username or Email' and 'Password'. A yellow 'Login' button is below the input fields. At the bottom of the white box, there is a link 'Don't have an account?' followed by a 'Signup' link in orange text.

← → ↻ ⓘ localhost:3000/login ☆ 📱 k ⋮

MonkeyKraftCoders

Log In

Username or Email

Password

Login

Don't have an account? [Signup](#)

Signup Page

A screenshot of a web browser displaying the signup page for MonkeyKraftCoders. The browser's address bar shows 'localhost:3000/signup'. The page has a dark background with a white central form. The form includes the brand name 'MonkeyKraftCoders' in red, the title 'Sign Up', and four input fields for 'Username', 'Email', 'Password', and 'Confirm Password'. A yellow 'Sign Up' button is at the bottom of the form, followed by a link to 'Log In' for existing users.

localhost:3000/signup

MonkeyKraftCoders

Sign Up

Username

Email

Password

Confirm Password

Sign Up

Already have an account? [Log In](#)



Problemset Page

MonkeyKraft Coders



All Topics Algorithms JavaScript DataBase Shell

Search questions...

Status	Title	Acceptance	Difficulty	Likes	Dislikes	Star
⊗	1. Maximum Subarray	92%	Easy	3	0	☆
⊗	2. Minimum Subarray Sum	89%	Easy	7	1	☆
○	3. Longest Increasing Subarray	47%	Medium	4	0	☆
○	4. Subarray Sum Equals K	35%	Medium	11	0	☆
○	5. Shortest Subarray with Sum at Least K	5%	Hard	5	2	☆
○	6. Maximum Average Subarray I	71.4%	Easy	5	2	☆
○	7. Maximum Sum Circular Subarray	100%	Medium	3	0	☆
○	8. Longest Subarray with Ones after Replacement	62.5%	Medium	5	2	☆
○	9. Maximum Subarray Difference	50%	Hard	5	2	☆
○	10. Partition Array into Disjoint Intervals	50%	Medium	5	2	☆



Solution Article

MonkeyKraft Coders

Problem List



Description Editorial Solutions Submissions

Solution Article

Approach: Sliding Window

Algorithm

The sliding window technique is used to find the length of the shortest contiguous subarray with a sum at least k . It involves maintaining a window of elements and moving the window to find the shortest subarray.

The key idea is to keep track of the current sum of the window. If the sum becomes greater than or equal to k , we shrink the window from the start to find the shortest subarray with the required sum.

Implementation

```
var shortestSubarraySumAtLeastK = function(nums, k) {  
  let minLength = Number.POSITIVE_INFINITY;  
  let currentSum = 0;  
  let start = 0;  
  
  for (let end = 0; end < nums.length; end++) {  
    currentSum += nums[end];  
  
    while (currentSum >= k) {  
      minLength = Math.min(minLength, end - start + 1);  
      currentSum -= nums[start];  
      start++;  
    }  
  }  
  return minLength;
```

javascript

```
1 /**  
2  * @param {number[]} nums  
3  * @param {number} k  
4  * @return {number}  
5  */  
6 var shortestSubarraySumAtLeastK = function(nums, k) {  
7   // Your solution code here  
8 };
```

Submit



Submission Page

MonkeyKraft Coders

Problem List



Description Editorial Solutions Submissions

Status	Language	Runtime	Memory	Date
Runtime Error	JavaScript	0ms	8MB	December 12, 2023
Runtime Error	JavaScript	0ms	50MB	December 12, 2023

javascript

```
1  /**
2   * @param {number[]} nums
3   * @return {number}
4   */
5  var maxSubArray = function(nums) {
6      // Your solution code here
7  };
```

Submit

User



MonkeyKraft Coders

Problem List

user1

Rank:

Community Stats

Views:

Solutions:

Reputation:

Solved Problems

0

/ 10

Easy

0 / 3

Medium

0 / 5

Hard

0 / 2



Thank You!