



Internship Test

Rust Developer Profile Set-1

Instructions:

- You have to solve the below questions using **Rust**.
- You have **1 day** to submit this.
- To submit your code, upload it to github and fill the below form

<https://docs.google.com/forms/d/e/1FAIpQLSeQ-9PffLbFkzTFfNNv6SqmlyKhV8OT5TJVkPiHBOq9G1-YTQ/viewform>

Questions:

1. Implement a function that checks whether a given string is a palindrome or not.
2. Given a sorted array of integers, implement a function that returns the index of the first occurrence of a given number.
3. Given a string of words, implement a function that returns the shortest word in the string.
4. Implement a function that checks whether a given number is prime or not.
5. Given a sorted array of integers, implement a function that returns the median of the array.
6. Implement a function that finds the longest common prefix of a given set of strings.
7. Implement a function that returns the kth smallest element in a given array.
8. Given a binary tree, implement a function that returns the maximum depth of the tree.
9. Reverse a string in Rust
10. Check if a number is prime in Rust
11. Merge two sorted arrays in Rust
12. Find the maximum subarray sum in Rust

CONTACT

Please feel free to contact us in case you have any questions regarding anything about this internship at hr.quadbtech@gmail.com. Please put "React JS Internship" as the email subject so that we can filter out your submission/question before anything else.