# **How To Master Arrays And Strings**

## **Basics Of Arrays**

How to iterate on elements of array?

Sum of all elements of arrays

Reverse An Array

Link To Practice - <https://www.codingninjas.com/codestudio/guided-paths/basics-of-c/content/118787/offering/1381276>

## **Basics Of Two Dimensional Arrays**

How are they stored?

Traversal based Problems

Wave Form - <https://www.codingninjas.com/codestudio/problems/return-in-row-wave-form_893285>

Spiral Form - <https://www.codingninjas.com/codestudio/problems/spiral-matrix_840698>

## **Basics Of Strings**

How strings are stored?

Basic Questions

Reverse String

Check String Is Palindrome Or Not?

Remove Vowels

Link - <https://www.codingninjas.com/codestudio/guided-paths/basics-of-c/content/118818/offering/1381763>

## **Sorting Algorithms**

Selection Sort

Bubble Sort

Insertion Sort

Link - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118822/offering/1382158>

## **Time And Space Complexity**

Algorithms Learn

Binary Search

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118621/offering/1377974>

## **Dutch National Flag Algorithm**

Sort 0 1

Sort 0 1 2

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118820/offering/1381861>

## **Two Pointers Technique**

Pair sum

Triplet Sum

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118509/offering/1376553>

## **Sliding Window Algorithm**

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118509/offering/1376573>

## **Kadane's Algorithm**

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118820/offering/1381861>

## **Applications On Arrays**

Overalapping Intervals

Second Largest Element In Array

Minimum Number Of Platforms

<https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118820/offering/1381883>

## **Applications On Multi Dimensional Arrays**

Search In Row Wise And Column Wise Sorted Matrix

Binary Search

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111356/offering/1280160>

## **Inplace Rotate Matrix By 90 degree**

Adhoc Problem

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111356/offering/1280165>

## **Matrix Median**

Binary Search

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111356/offering/1280164>

## **Other Questions Practice Link**

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111356/offering/1281375>

## **Applications On Strings**

Longest Substring Without Repeating Characters

Sliding Window

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111306/offering/1280180>

## **Anagram Difference**

Hashmap

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111306/offering/1280171>

## **Shortest substring with all characters**

Two Pointers

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111306/offering/1280173>

## **Minimum operations to make strings equal**

Hashmap

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111306/offering/1280177>

## **Other Questions Practice Link**

<https://www.codingninjas.com/codestudio/guided-paths/interview-guide-for-product-based-companies/content/111306/offering/1376442>