

BEGINNERS FRIENDLY



30-DAY CHALLENGE FOR LOGIC BUILDING

PROBLEM-SOLVING SHEET



BY SIDDHARTH SINGH

A handwritten signature in black ink, reading "SiddhARTH SINGH".

"YOUR **FUTURE** IS CREATED BY WHAT
YOU DO { **TODAY** }
NOT **TOMORROW**"



SIDDHARTH **SINGH**



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ARRAY

RECURSION

BIT

STRING

SEARCHING

SORTING

WEEK

Ques.

WEEK 1

24

Language

WEEK 2

24

C/C++

WEEK 3

24

Java

WEEK 4

23

**TOTAL
QUESTION**

WEEK 5

5

100

BECOME 6 STAR HACKERRANK CODER





Week 1

"Success is a journey, not a destination."

-Arthur Ashe

Platform:



DAY 1

1. [Solve Me First](#)

2. [Simple Array Sum](#)

3. [Compare the Triplets](#)

4. [A Very Big Sum](#)

DAY 2

1. [Diagonal Difference](#)

2. [Plus Minus](#)

3. [Staircase](#)

4. [Mini-Max Sum](#)

DAY 3

1. [Birthday Cake Candles](#)

2. [Time Conversion](#)

3. [Grading Students](#)

4. [Apple and Orange](#)

DAY 4

1. [Number Line Jumps](#)

2. [Breaking the Records](#)

3. [Subarray Division](#)

4. [Divisible Sum Pairs](#)

DAY 5

1. [Migratory Birds](#)

2. [Day of the Programmer](#)

3. [Bill Division](#)

4. [Sales by Match](#)

DAY 6

1. [Drawing Book](#)

2. [Counting Valleys](#)

3. [Electronics Shop](#)

4. [Cats and a Mouse](#)

DAY 7

CHILL DAY

BACKLOG
COVER





Week 2

"Consistent hard work leads to success. Greatness will come."

- Dwayne Johnson

Platform:



DAY 8

- 1. [Forming a Magic Square](#)
- 2. [Picking Numbers](#)
- 3. [Climbing the Leaderboard](#)
- 4. [The Hurdle Race](#)

DAY 9

- 1. [Designer PDF Viewer](#)
- 2. [Utopian Tree](#)
- 3. [Angry Professor](#)
- 4. [Beautiful Days](#)

DAY 10

- 1. [Viral Advertising](#)
- 2. [Save the Prisoner!](#)
- 3. [Circular Array Rotation](#)
- 4. [Sequence Equation](#)

DAY 11

- 1. [Library Fine](#)
- 2. [Cut the sticks](#)
- 3. [Repeated String](#)
- 4. [Jumping on the Clouds](#)

DAY 12

- 1. [Jumping on the Clouds 2](#)
- 2. [Find Digits](#)
- 3. [Append and Delete](#)
- 4. [Sherlock and Squares](#)

DAY 13

- 1. [Equalize the Array](#)
- 2. [ACM ICPC Team](#)
- 3. [Taum and B'day](#)
- 4. [Organizing Containers](#)

DAY 14

CHILL DAY

BACKLOG
COVER





Week 3

" Don't stop when you are tired , stop when you are done. "

- Wesley Snipes

Platform:



DAY 15

- 1. [Encryption](#)
- 2. [Modi Kaprekar Nums](#)
- 3. [Beautiful Triplets](#)
- 4. [Minimum Distances](#)

DAY 16

- 1. [Halloween Sale](#)
- 2. [Chocolate Feast](#)
- 3. [Service Lane](#)
- 4. [Lisa's Workbook](#)

DAY 17

- 1. [Fair Rations](#)
- 2. [Cavity Map](#)
- 3. [Manasa and Stones](#)
- 4. [The Grid Search](#)

DAY 18

- 1. [Happy Ladybugs](#)
- 2. [Strange Counter](#)
- 3. [Tutorial Challenges](#)
- 4. [CamelCase](#)

DAY 19

- 1. [Insertion Sort - Part 1](#)
- 2. [Strong Password](#)
- 3. [Insertion Sort - Part 2](#)
- 4. [Loop Invariant](#)

DAY 20

- 1. [Caesar Cipher](#)
- 2. [Mars Exploration](#)
- 3. [Run Time of Algorithms](#)
- 4. [HackerRank in a String!](#)

DAY 21

CHILL DAY

BACKLOG
COVER





Week 4

" Don't wish it easier , wish you were better . "

- Jim Rohn

Platform:



DAY 22

- 1. [Pangrams](#)
- 2. [Separate the Numbers](#)
- 3. [Funny String](#)
- 4. [Counting Sort 1](#)

DAY 23

- 1. [Counting Sort 2](#)
- 2. [Gemstones](#)
- 3. [Alternating Characters](#)
- 4. [Beautiful Binary String](#)

DAY 24

- 1. [Love-Letter Mystery](#)
- 2. [Anagram](#)
- 3. [Making Anagrams](#)
- 4. [Game of Thrones - I](#)

DAY 25

- 1. [Two Strings](#)
- 2. [String Construction](#)
- 3. [Extra Long Factorials](#)
- 4. [Non-Divisible Subset](#)

DAY 26

- 1. [Queen's Attack II](#)
- 2. [Bigger is Greater](#)
- 3. [Flatland Space Stations](#)
- 4. [3D Surface Area](#)

DAY 27

- 1. [Absolute Permutation](#)
- 2. [Larry's Array](#)
- 3. [Almost Sorted](#)

DAY 28

CHILL DAY

BACKLOG
COVER





Week 5

" If its important you will find a way , if not you will find an excuse "

- Michelle Ruiz

Platform:



DAY 29

1. [Matrix Layer Rotation](#)
2. [Super Reduced String](#)
3. [Two Characters](#)

DAY 30

1. [Weighted Uniform Strings](#)
2. [Sherlock and Anagrams](#)

Congratulations

6 STAR



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