

BEGINNERS FRIENDLY



30-DAY CHALLENGE

FOR LOGIC BUILDING

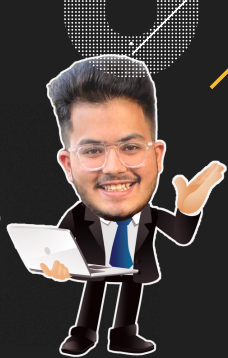
PROBLEM-SOLVING SHEET



BY SIDDHARTH SINGH

A stylized, handwritten signature in black ink, located in the bottom right corner of the page.

"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.

Language

WEEK 1

24

WEEK 2

24

WEEK 3

24

WEEK 4

23

WEEK 5

5

C/C++

Java

**TOTAL
QUESTION**

100

BECOME 6 STAR HACKERRANK CODER





Week 1

"Success is a journey, not a destination."
-Arthur Ashe

Platform:



DAY 1	
1. <u>Solve Me First</u>	✓
2. <u>Simple Array Sum</u>	✓
3. <u>Compare the Triplets</u>	✓
4. <u>A Very Big Sum</u>	✓

DAY 2	
1. <u>Diagonal Difference</u>	✓
2. <u>Plus Minus</u>	✓
3. <u>Staircase</u>	✓
4. <u>Mini-Max Sum</u>	✓

DAY 3	
1. <u>Birthday Cake Candles</u>	✓
2. <u>Time Conversion</u>	✓
3. <u>Grading Students</u>	✓
4. <u>Apple and Orange</u>	✓

DAY 4	
1. <u>Number Line Jumps</u>	✓
2. <u>Breaking the Records</u>	✓
3. <u>Subarray Division</u>	
4. <u>Divisible Sum Pairs</u>	✓

DAY 5	
1. <u>Migratory Birds</u>	
2. <u>Day of the Programmer</u>	
3. <u>Bill Division</u>	
4. <u>Sales by Match</u>	

DAY 6	
1. <u>Drawing Book</u>	✓
2. <u>Counting Valleys</u>	
3. <u>Electronics Shop</u>	
4. <u>Cats and a Mouse</u>	✓



DAY 7	CHILL DAY	BACKLOG COVER
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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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