



Santosh Kumar Mishra
[@iamsantoshmishra](https://www.linkedin.com/in/iamsantoshmishra)

How to approach a DSA problem?

SWIPE >



By following these steps, you can approach a DSA problem in a structured and systematic way, which can help you arrive at a correct and efficient solution.



01



Santosh Kumar Mishra
@iamsantoshmishra

Understand the problem



Read the problem statement carefully and make sure you understand what is being asked. Break down the problem into smaller, more manageable sub-problems if necessary.

02



Santosh Kumar Mishra
[@iamsantoshmishra](https://www.linkedin.com/in/iamsantoshmishra)

Identify the inputs and outputs



Determine what inputs the problem requires and what outputs are expected.

03



Santosh Kumar Mishra
@iamsantoshmishra

Consider the constraints

Take note of any constraints or limitations that may affect how you approach the problem.



04



Explore different solutions

Think about different ways to solve the problem, and consider the trade-offs between them.



05



Santosh Kumar Mishra
@iamsantoshmishra

Choose a solution

Select the approach that you believe will work best, and start implementing it in code.



06



Santosh Kumar Mishra
@iamsantoshmishra

Optimize your solution

look for ways to improve
the performance of your solution.



07



Santosh Kumar Mishra
[@iamsantoshmishra](https://twitter.com/iamsantoshmishra)

Test your solution

Test your solution with a sample inputs and edge cases to ensure it works correctly.



08



Santosh Kumar Mishra
[@iamsantoshmishra](https://twitter.com/iamsantoshmishra)

Refactor the solution



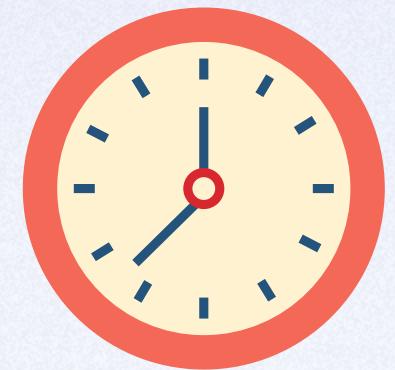
If necessary, consider refactoring the solution to improve readability, maintainability, and performance.

09



Santosh Kumar Mishra
[@iamsantoshmishra](https://www.linkedin.com/in/iamsantoshmishra)

Analyze the Time and Space complexity



It's important to measure how well the solution performs in terms of time and space complexity.

Summary

- 01 Understand the problem
- 02 Identify the inputs and outputs
- 03 Consider the constraints
- 04 Explore different solutions
- 05 Choose a solution
- 06 Optimize your solution
- 07 Test your solution
- 08 Refactor the solution
- 09 Analyze the Time and Space complexity



A circular profile picture of a young man with dark hair and glasses, wearing a white shirt. Below the profile picture is a blue circular icon containing the white letters "in".

Santosh Kumar Mishra
@iamsantoshmishra



HELPFUL ?



Don't forget to share and save this .
Your turn ! comment .

FOLLOW FOR MORE !



[lamsantoshmishra](#)



[Interview Cafe](#)



[Interview cafe Notes](#)