

While folks are joining

Get you laptops ready and login to www.crio.do.
We will be coding away in the session!



DSA-1

Session 3



What's for this session?

- Methodology - Problem solving approach
- Problems
 - Capitalise first letter of every word
 - Printing a Pyramid Pattern
 - Find queried elements in an array



Methodology

- **Milestone 1: Understand the problem clearly**
 - Ask questions & clarify the problem statement
 - Take an example or two to confirm your understanding
- **Milestone 2: Finalize approach & execution plan**
 - Understand what type of problem you are solving
 - Come up with logic to solve it
 - **Get to a point where you can explain your approach to a 10 year old**
 - Take a stab at the high level logic & write it down in plain English as comments
- **Milestone 3: Code by expanding your pseudocode**
 - Make sure you name the variables, functions clearly

We'll expand this methodology a bit more in the coming weeks.



Activity 1 - Capitalise first letter of every word



Activity 2 - Printing Pyramid Pattern



Activity 3 - Find queried element in array



Questions?

Take home exercises

- Programming Constructs
 - [Count vowels in a string](#)
- Programming Constructs Mock
 - [Cyclic rotation of an array](#)
 - [Print a Diamond Pattern](#)

To be solved before the next session on Tuesday, 7:30 PM



Feedback

Thank you for joining in today. We'd love to hear your thoughts and feedback.

<https://bit.ly/dsa-nps>



Thank you

