

# Algorithmic Problem Solving



Evaluation criteria



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## In this video series you will see...

- Evaluation criteria for effective algorithmic problem solving sessions.



Listening carefully?

Comprehending question?

Asking correct questions?

Any unchecked assumptions?

Hearing and heeding hints?



**Finding multiple solutions before choosing the best one?**

**Seeking new ideas and methods?**

**Inventive and flexible?**

**Open to new ideas?**



**Can questioning move up to more complex problem solving?**

**Your turn...**

**Design a data structure with public functions for**

- 1. Insert**
- 2. Remove**
- 3. Get random**

Step 1



Step 2

*example*



Steps 3,4,5



Step 6





# Mock interview





Listening carefully?

Comprehending question?

Asking correct questions?

Any unchecked assumptions?

Hearing and heeding hints?

**Listening carefully?**

**Comprehending question?**

**Asking correct questions?**

**Any unchecked assumptions?**

**Hearing and heeding hints?**

**IVQ: what assumptions is the candidate making?**

**IVQ: what hints is the interviewer giving the candidate?**



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IVQ



**Can questioning move up to more complex problem solving?**

# What's next?

- Practice!
- Make it real.

