

# Roadmap to be Div1 at Codeforces!

This post is based on a Medium article written by  
- [Bharat Khanna](#), candidate master on Codeforces

# Step 1

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## For unrated, Newbie or Pupil coders

As a beginner in coding, you should be solving as many easy and medium problems as you can. Choose any website that you like, sort the problems in decreasing order of the number of submissions, and solve them.

Ad-hoc problems are designed to make you think & transform your thought process into a working code, this is where you will develop your problem solving skills



**Do not jump directly into learning something as complex as DP.  
This will spoil your normal thinking process to approach a problem.**

**Before moving to the next step, solve at least 100 problems or until  
you feel confident that in a normal codeforces contest you will be  
able to solve **A** and **B** problems.**

# Step 2

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## For Specialist and above

Now comes the point of learning some Data structures and algorithms. Majority of the **C** problem on codeforces involves easy algorithms like binary search, two pointers or use of common data structures like map, set, stacks, queue.

Learn how to use these basic DSA in your preferred language and solve as many problems as you can. At this stage, it is advisable to give each and every contest and to upsolve.

# Step 3

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## Rating beyond 1500

Here starts your journey to be an exceptional coder. In this step you should start learning complex data structures like Graph, DP, Trees.

A commonly used method to do this is to read the editorial of the problem and try to solve some easy and direct problems on the topic. This is also a good time to start giving codechef long challenges.



# General Notes

- ✓ There will be numerous contests during this process when your ratings would fall. Don't feel demotivated, you can increase your ratings anytime if you strive to become a good coder.
- ✓ Don't stop giving contests after you cross a threshold rating due to the fear of falling again

After all, Competitive Programming is a sport, you grow as much as you practice. Different people may grow at different speeds, but those who stop practicing will eventually become stagnant.



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**Check the first comment for the link to Read the  
complete article.**

   @programmingpathshala