

COMPETITIVE PROGRAMMING



What exactly is CP?



- Competitive programming is a mind sport usually held over the Internet or a local network, involving participants trying to program according to provided specifications.
- Take it as a hobby just like Chess..

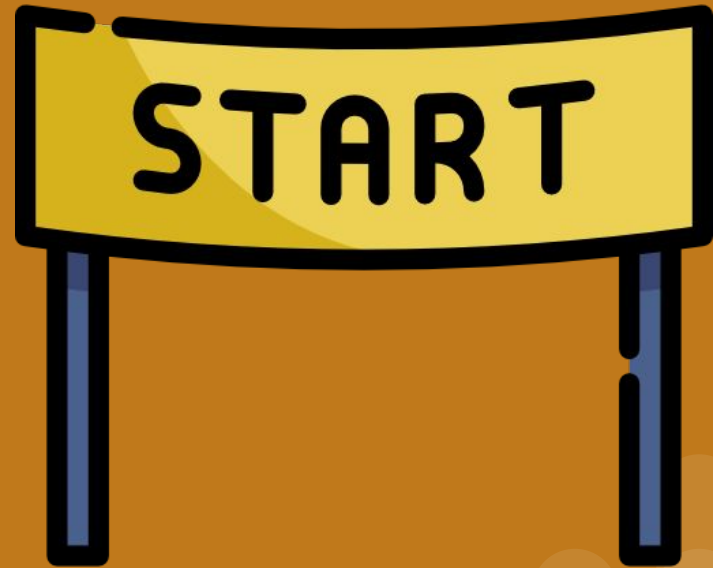


**Does it have any
benefits?**



- CP challenges require participants to write efficient code under strict time constraints. This helps to improve coding skills by encouraging programmers to write clean, readable, and efficient code.
- Many tech companies use CP competitions as a way to identify top talent. Participating in these competitions and doing well can help you stand out when applying for programming jobs.
- It improves error resolving skills and also boosts your Resume.
- It Improves speed and Problem Solving Skills which is important in coding rounds of the companies.

How to start?





- Learn any language of your choice. We will suggest C++ because of its numerous benefits.
- Learn various data structure tools of that particular language:
 - STL in C++ **or**
 - Collections in Java
- You can jump to contests and learn data structures parallelly. Don't think that you can compete only when you have completed learning all the ds and algos.



Resources

- <https://cses.fi/problemset/>
- <https://earthshakira.github.io/a2oj-clientside/server/>
- <http://www.usaco.org/index.php?page=resources>
- <https://atcoder.jp/>
- <https://cp-algorithms.com/>
- <https://codeforces.com/>
- <https://www.codechef.com/>

Queries?

