

প্রোগ্রামিং প্রতিযোগিতায় হাতেখড়ি (অধ্যায়-১)

1. ACM-ICPC = International Collegiate Programming Contest(ICPC)
2. IOI=International Olympiad for informatics

Most Important Topic ICPC-ACM:

1. Number Theory
2. Calculus
3. Graph Theory
4. Game Theory
5. Dynamic Programming
6. Probability

Most Important Online judge & Website link:

1. <https://onlinejudge.org/>
2. <https://icpcarchive.ecs.baylor.edu/>
3. <http://acm.sgu.ru/olimp/>
4. <https://acm.timus.ru/>
5. <https://www.codechef.com/>
6. <https://codeforces.com/>
7. <https://www.topcoder.com/>
8. <https://vjudge.net/>
9. <https://www.lightoj.com/>
10. <http://www.z-trening.com/>
11. <https://ipsc.ksp.sk/>
12. <https://www.spoj.com/>
13. <https://train.usaco.org/>
14. http://acm.pku.edu.cn/icpc_pku2018/
15. <https://zoj.pintia.cn/home/news>
16. <http://acm.tju.edu.cn/>
17. <https://projecteuler.net/>
18. <https://uhunt.onlinejudge.org/>
19. <http://www.e-maxx.ru/>
20. <https://infoarena.ro/>
21. <https://hsin.hr/coci/>

Most Important Book:

1. Introduction to Algorithms writer Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest এবং Clifford Stein
2. Programming Challenges writer Steven S Skiena এবং Miguel A Revilla
3. The Algorithm Design Manual writer Steven S Skiena

4. Algorithm Design writer Jon Kleinberg এবং Eva Tardos
5. Computational Geometry: Algorithms and Applications writer Mard de Berg, Otfried Cheong, Marc van Kreveld এবং Mark Overmars
6. Computational Geometry in C writer Joseph O'Rourke
7. Art of Programming Contest writer Ahmed Shamsul Arefin
8. Data Structures and Algorithms in C++ writer Michael T. Goodrich, Roberto Tamassia এবং David M. Mount
9. Competitive Programming writer Felix Halim এবং Steven Halim
10. Tamim Shahriar subeen book

Most Important Blog:

1. Petr blog : <https://petr-mitrichev.blogspot.com/>
2. Bruce Merry blog : <http://blog.brucemerry.org.za/>
3. http://www.shafaetsplanet.com/?page_id=2804