

COMPETITIVE PROGRAMMING

What is it?

- According to Wikipedia "Competitive programming is a mind sport usually held over the Internet or a local network, involving participants trying to program according to provided specifications."
- How is it recognized in the society?
 - -Google
 - -Facebook
 - -IBM
 - -DirectI
 - -Cisco
 - -TCS

HOW TO PARTICIPATE?

- 1. Create an account on your favorite online judge.
- 2. Start solving problems, participate in contests.

Q-WHICH BOOKS TO REFER FOR COMPETITVE PROGRAMMING?

Q-WHERE IS THE SYLLABUS?

Sphere online judge











VARIOUS OJS

WHY SHALL I DO IT?

HOW MANY PEOPLE DO IT?

WE NEED STATISTICS...

Although you shouldn't do something which does not interest you, but competitive programming does help you in getting a job.

Wondering why we have sky high placements from IIT-D, NSIT and DTU and not from IGDTUW?

Pay attention to the next few slides. Mind you this is just a trailer...

STATISTICS





NSIT, the list is so long to fit enough here

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1399	megha_agg007 Indira Gandhi Delhi	1 - (5)	-	-	-	1 - (5)	-

Our very own, IGDTUW







CodeChef Campus Chapter- IGDTUW

```
#include<stdio.h>
int main()
{
    printf("Hello World");
    return 0;
}
```

HAPPINESS IS

Correct Answer Execution Time: 0.00

GETTING A GREEN TICK

WHO ARE WE?



WHY WE STARTED?

WE ARE SOCIAL

- Facebook page: <u>facebook.com/CodeBenders</u> (2k+ likes)
- Facebook group: <u>facebook.com/groups/igdtuwCodeChef/</u>
- Twitter: twitter.com/codebenders
- Google group (Forum): groups.google.com/forum/#!forum/codebenders-updates
- Quora: <u>quora.com/CodeBenders</u>
- Blog: http://codebenderscb.blogspot.in/
- Reach us on Gmail: <u>igdtuwcodebenders@gmail.com</u>

ACM-ICPC

- The <u>ACM-ICPC</u> is considered as the "Olympics of Programming Competitions".
- The contest participants come from over 2,000 universities that are spread across 80 countries and six continents.
- In terms of prize money, the top team takes home \$12,000 along with the ACM ICPC 2014 Gold medal. Three other teams getting Gold Medal are awarded \$6,000. Each Silver Medal team gets \$3,000 and each Bronze Medal team is awarded \$1,500.
- And more important than all, the winners also get some super bragging rights and job offers from some of the top software companies in the world!

SOME SUCCESS STORIES

ANUDEEP NEKKANTI- HOW A GUY FROM A NOT-SO-FAMOUS ENGINEERING COLLEGE GETS TO WORK AT GOOGLE ZURICH.

- 1. Start with an OJ
- 2. Practice as much as you can, learn what you don't know, practice that everyday. Keep trying
- 3. Solved 300 problems in 3 months.
- 4. Prepares for ICPC
- 5. Gets a decent rank there.
- 6. Gets a referral ,interviews with Google many times (many times not because of rejection but his desire to work at Zurich)
- 7. ZURICH IT IS. :D



- Name- Gennady Korotkevich, Belarus
- Among the youngest coders who compete with people with phd degrees, red on topcoder.
- Participates in any programming contest, emerges a winner, spoils the contest since he is not eligible to participate in some due to his age(now old enough)
- The world knows who he is, yeah, nothing less than a star.





HACKATHONS

Hack + Marathon

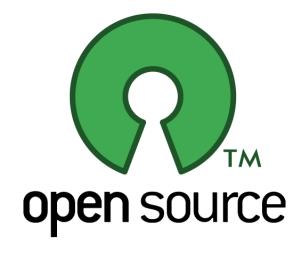
• What are Hackathons?

• How to participate?

• Why participate?

Types of Hackathons

- For an application type
- Using a specific programming language, API, or framework
- For a cause or purpose
- For a demographic group
- Internal company hackathons



OPEN SOURCE

Computer software with its source code made available with a license in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose.

• What do you mean by Open Source?

• How to contribute?

• Why contribute?

Some Famous Open Source Projects

- LINUX
- UBUNTU
- MySql
- Firefox
- Apache
- WordPress





HOW DO I START WITH OPEN SOURCE?

Select an organization. Go on their wiki.

Look for the technology your selected organization is using.

Clone the source code.
Get Started.

SOME INFORMATION FOR THE NEWBIES

- GNOME has GnomeLove
- Linux Kernel has Linux Kernel Newbies
- Mozilla has whatcanidoformozilla.org

STUCK? WHAT TO DO?

- Read blogs.
- Read tutorials.
- Ping the contributors.
- Ask on IRC. Lurk on their IRC Channels.
- Ask. Do not hesitate.

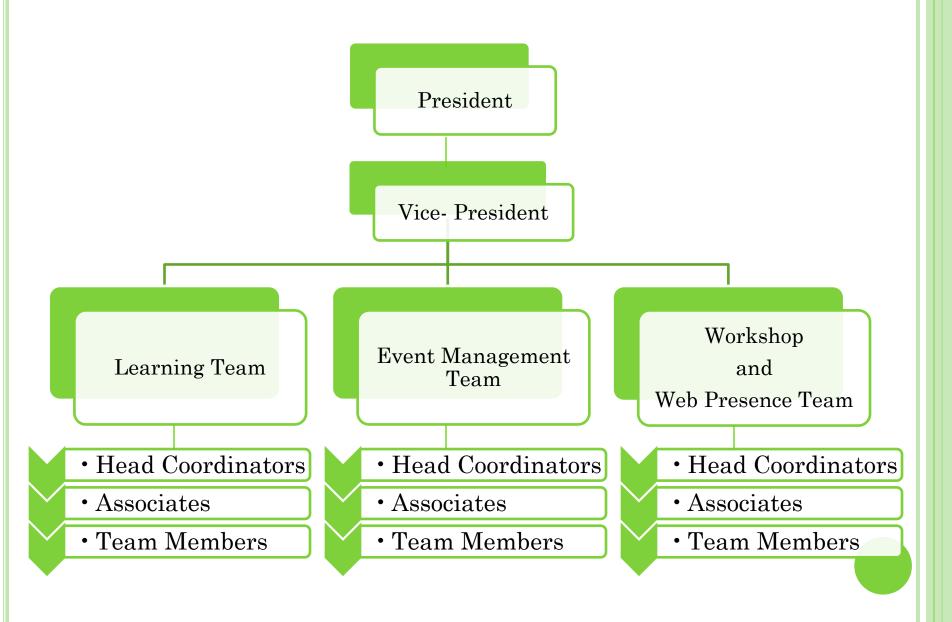
DOS FOR CONTRIBUTING TO OPEN SOURCE

- Add yourself to their mailing list.
- Ask questions.
- Read the wikis properly, before asking any question. Most has awesome help and wiki pages.
- Lurk on the IRC channels.
- Read Blogs.
- Be honest.
- Learn if you don't know, but you are interested in.

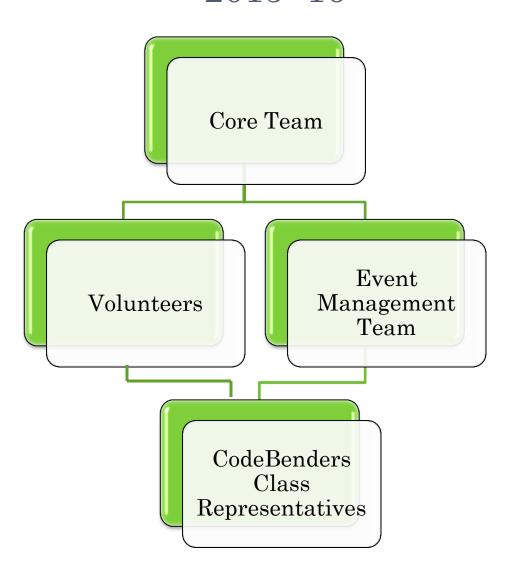
DON'TS FOR CONTRIBUTING TO OPEN SOURCE

- Do not act.
- Do not show off.
- Do not lie while asking for help.
- Do not sit the assumption that you won't be able to learn X.
- Do not turn your internet and your mind off!
- Obviously do not abuse, if you didn't get the help you expected.

CODEBENDERS TEAM 2014- 15



Introducing CodeBenders Team Structure 2015- 16



CODEBENDERS- EVENT (CODEQUEST)





QUESTIONS?

He who asks a question is a fool for five minutes; he who does not ask a question remains a fool forever.