Competitive Programming Club

2022-2023 Sponsorship Packet

compcodeclub@gmail.com
cpcosu.github.io
buckeyecode.club

Who We Are

- Group of students who **love** to solve coding puzzles and technical interview problems
- Our goal is to **educate** students on how to improve programming and problem solving skills
- Provide **opportunities** for OSU students to test their skills against each other and against students from other universities

Our Platform

- 500+ members on Discord
- 450+ subscriptions on Mailchimp
- 60+ active members
- Weekly Events on GitHub
- Coding Bootcamp on GitHub
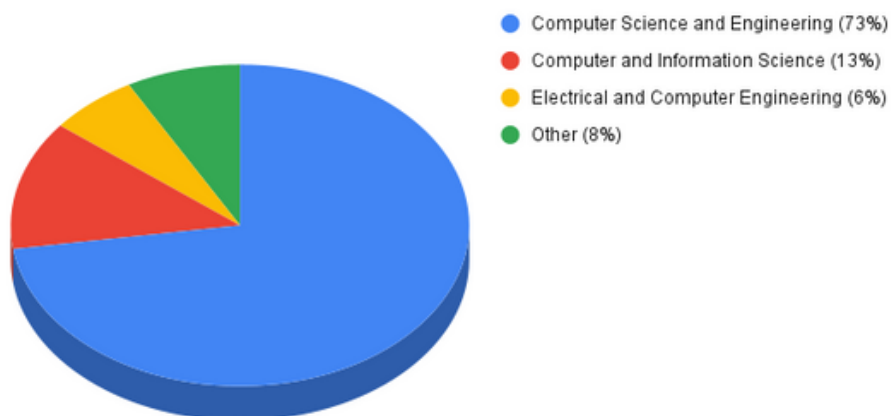- Competitive Results

Initiatives

K-12 Outreach

Algorithm Workshops

Interview Prep

International Competitions

Local Competitions

Our Member's Majors

- Computer Science and Engineering (73%)
- Computer and Information Science (13%)
- Electrical and Computer Engineering (6%)
- Other (8%)

International Collegiate Programming Contest

ICPC is one of the biggest programming contests for college students. Every year, students compete in teams of 3 in a qualifier, and the top 3 teams at OSU travel to Cincinnati to compete.

In 2016, OSU was able to advance to ICPC World Finals. More recently in 2021, we were able to advance to the ICPC North American Championship (NAC) to compete with the top universities like MIT, Georgia Tech, and The University of Waterloo to name a few.

OSU Team competing at NAC 2021 on 8/14/2021. Pictured from left are: Ankan Bhattacharya, Dennis Sweeney, and Alex Li

Our club has been fortunate enough to secure funding to pay for all competition expenses and your support will allow us to send more students to compete at the highest level!

ICPC 2022 Season

- ICPC
  - \# icpc-announcements
  - \# general
  - \# icpc-questions
  - \# check-in
  - \# team-formation
  - \# registration
  - 🔊 Help Desk

North America Qualifier (NAQ)

- 5 hour virtual contest on 1/22/2022
- 55 competing students formed 22 teams
- 19 teams solved at least 1 problem
- Top team from OSU solved 8 out of 14 problems

East Central NA (ECNA)

- 5 hour contest on 2/26/2022
- OSU Students competed on campus
- Hosted 23 participants (8 teams)
- Placed 7th, 9th, and 12th within Cincinnati

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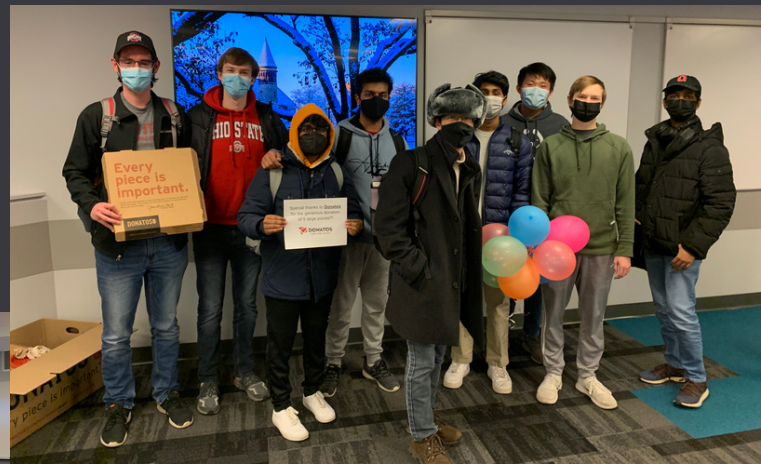
Buckeye **P**rogramming **C**ompetition

Instead of relying on ICPC to host contests, we decided to create our own contest called Buckeye Programming Competition (BPC) on our own coding website with problems curated by OSU students.

In under 3 months, we designed and developed the website, determined logistics, created and tested 10 unique problems, for a 28 hour programming competition hosted on our own infrastructure on 4/7/2022.

Students were able to submit solutions in Python 3.8.10, Java 17.0.2 and C++ (gcc 9.4.0), and we hope to offer more languages in the future.

- 19 teams participated and over 10 teams solved at least 1 problem
- Awarded over $195 in prizes
- Top team solved 8/10 problems
- 38 Solutions out of 283 Attempts

Divisor Path

problem / divisorpath

Description

Lucy is trying to find a path through a 2D square grid. Lucy starts in the top left corner and is traveling to the bottom right corner. Lucy can only move to the right and downward and each point on the grid has a value associated with it. Lucy starts the path with a number and every point she moves to must be divisible by her number. Your goal is to help Lucy find the lowest number she can have and make it to the end.

Input

The first line contains one integer N (1 <= N <= 20), the size of the grid. The next N line each contain N integers X (1 <= X <= 2 ^ 63 - 1), the values in the grid.

Output

Display the the lowest number Lucy can have and make it to the bottom right corner. It is guaranteed that the answer will be less than 2 ^ 63 - 1.

Create Submission

View Submissions

Creator: Brandon

Runtime Limit: 1.0 sec
Memory Limit: 500 mb

Difficulty:

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Club Sponsorship

	Gold $2000	Silver $1000	Bronze $500
Recognition on Website	●	●	●
Recognition on Newsletter	●	●	●
Recognition on 2023-2024 Sponsorship Packet	●	●	
Access to Resume Book	●	●	
Access to GitHub/LeetCode/Codeforces Book	●	●	
Swag Distribution	●	●	
Priority Access to give an in person presentation	●		
Job Postings on Newsletter	10 jobs	4 jobs	2 jobs
Advertise Events on our Discord	6 times	2 times	1 time
Advertise Events on our Newsletter	6 events	2 events	1 event
Sponsoring Buckeye Programming Competition 2022	20% off	10% off	

Your support will go towards our campus outreach, workshops, practices, international competitions, local competitions, and more!

If you are interested in learning more and supporting Competitive Programming Club, please contact us at compcodeclub@gmail.com

BPC 2022 Sponsorship

Our first trial competition was on April 7th, 2022. Our first annual Buckeye Programming Competition will be on Oct 28-30th, 2022. Contestants will have 44 hours to submit 10-15 problems with over $700 in prizes. Your support will go towards funding infrastructure costs, food and drinks at the competition, and prizes for the winning teams!

	Program (Limit 1) $5000	Gold $2000	Silver $1000	Bronze $500
Recognition on Website, Shirts, Event Posters	●	●	●	●
Sponsor a Problem	●	●	●	●
Resume Access	●	●	●	
Swag Distribution	●	●	●	
Job Posting	●	●	●	
Opening Keynote	●	●		
Hype Event (prior to BPC)	●	●		

Program Sponsor - Top level sponsor tier which includes all perks from other tiers. Branding ("*Powered By*") on our 2022 Buckeye Programming Competition.

Note: Buckeye Programming Competition related sponsorship and perks are a separate entity than the Competitive Programming Club sponsorship and perks.

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Additional Opportunities

Sponsored Challenge Coding Competition

In additional to our flagship programming contest, we have the opportunity to host additional competitions on our infrastructure. A contest can be used as a recruiting or just as a campus outreach event for your company. You can submit problems or we can make the problems. Our engineers will work with you on the model of the contest and sponsorship options are flexible starting at $500.

Sponsored Algorithm Workshop

You can also sponsor one or more of our algorithm workshop meetings. You are welcome to send in an engineer to give a talk or we can provide our own material. The meeting will be marketed as a sponsored event and we will provide food for our members with your support. Sponsorship options are also flexible starting at $200 or your company can cater food and drinks.

Future Opportunities

We also plan on creating a high school spinoff of BPC and provide high school students the opportunity to come on campus, attend a beginner workshop, and compete in teams. The competition will likely occur in Spring 2023.

Please contact us at <u>compcodeclub@gmail.com</u> if you are interested in any of these opportunities

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Our Team

Officers:

Michael
President

Russell
Vice President

Ram
Treasurer

Luke
E-Council Rep

Alex
Events Coordinator

Engineers:

Brandon

Dhaanish