



COMPUTER
SCIENCE
SOCIETY

COMPUTER SCIENCE SOCIETY & WINHACKS

Intro to Google Hash Code

BY JEREMIE BORNAIS



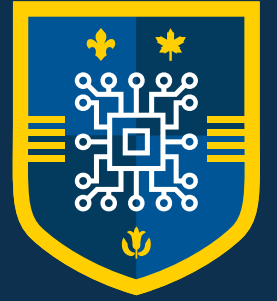
MEET THE PRESENTER

JEREMIE BORNAIS



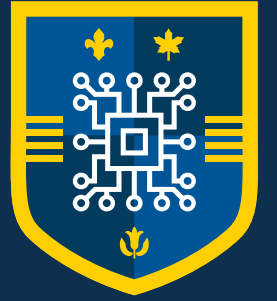
Jeremie is the president of the Computer Science Society, the lead organizer for WinHacks, and the lead organizer for the UWindsor CSS Hash Code Hub for the past 3 years.

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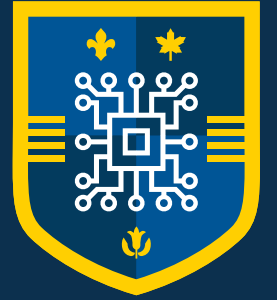


EVENT OVERVIEW

1. What is Google Hash Code?
2. Why should I participate in Google Hash Code?
3. How do you sign up for Google Hash Code?
4. How can I prepare for Google Hash Code?
5. A demo of how the platform works!

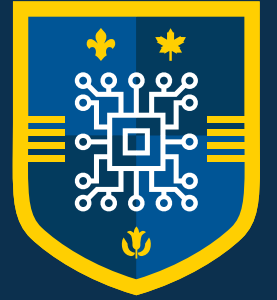


What is Google Hash Code?



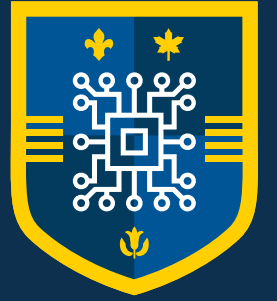
WHAT IS HASH CODE

“Hash Code is a **team programming competition**, organized by Google, for students and professionals around the world. You pick your team and programming language and we pick an engineering problem for you to solve. This year’s contest kicks off with a **Qualification Round**, where your team can **compete virtually** from wherever you’d like, alongside your **virtual Hub**. Top teams will then be invited to compete from our virtual **World Finals**”

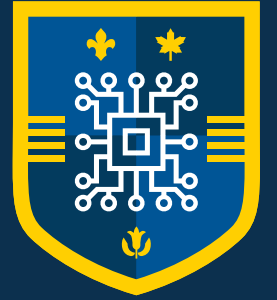


WHAT MAKES HASH CODE DIFFERENT

- Unlike traditional programming competitions, the goal is not to find the “correct answer”
- Instead, you’re faced with a real life optimization problem where you need to come up with output that is as optimized as possible
- You almost certainly will not come up with the best answer, but that’s ok!
- As long as you provide output that is formatted correctly, you can still get points 🧐

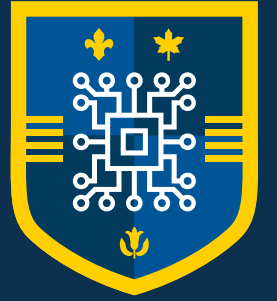


Why Should You Participate in Google Hash Code?

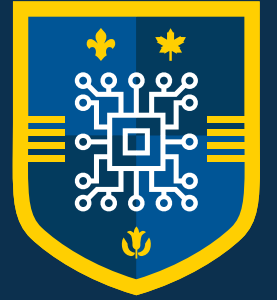


WHY PARTICIPATE

- **Connect** with other students
- Hone your **coding skills**
- Win some **prizes** 🧐
- Get a sweet **certificate** 😊
- Connect with Google?
- Have **fun!**

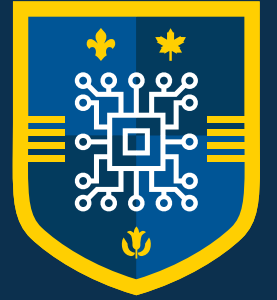


How Do You Sign Up For Google Hash Code?



SIGN UP INSTRUCTIONS

- Head on over to <http://g.co/hashcode>
- Fill in your details to create a Google Coding Competition profile
- Register
- Create or join a team <= IMPORTANT
- Join the “**WinHacks X UWindsor CSS**” hub
- Complete the **practice round**



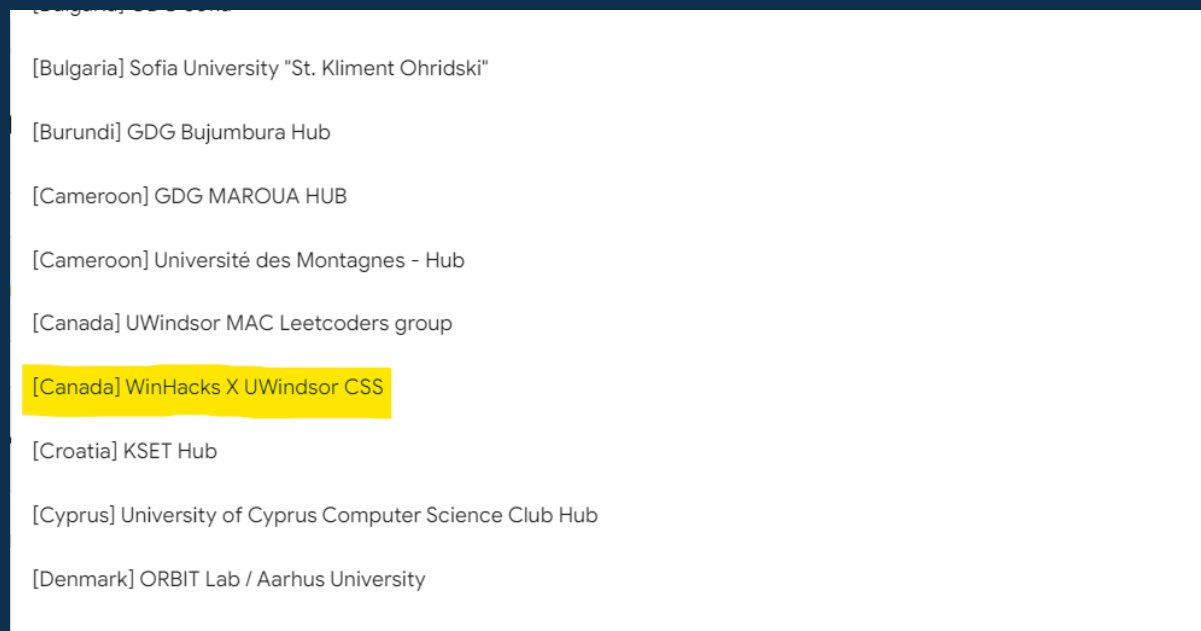
WHAT IS A HUB?

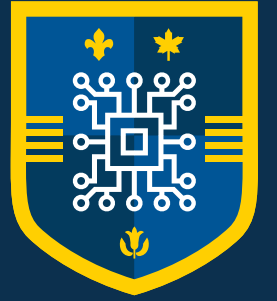
- Hubs are groups of teams who come together and have their own **virtual private leaderboard**
- This year, **WinHacks** and the **UWindsor Computer Science Society** have teamed up to create one Virtual Hub for everyone!
- We're distributing **certificates of participation** and **giving away some prizes** to verified hackers who participate in Hash Code from our Hub!



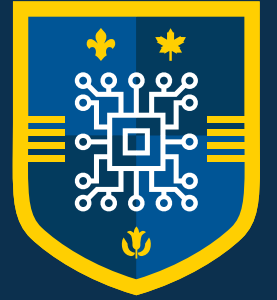
WHICH HUB TO JOIN?

- Join the “WinHacks X UWindsor CSS” hub
- On the map, go under “Canada” to find it!



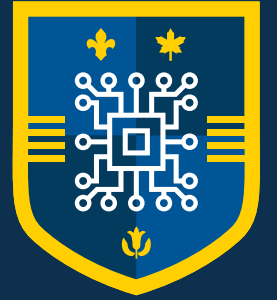


How Can I Prepare For Google Hash Code?



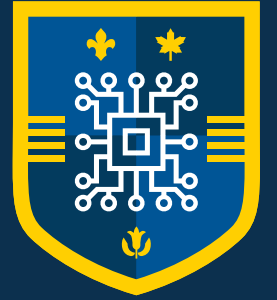
HOW TO PREPARE?

- Google provides ample opportunity for participants to practice for the Qualifier Round
- There are two main ways to prepare on Google's platform:
 - Checking out the **Practice Round**
 - Checking out **Past Qualifier Round**
- If you're new to programming competitions and competitive programming, make sure you find a team who uses a programming language you're comfortable with!



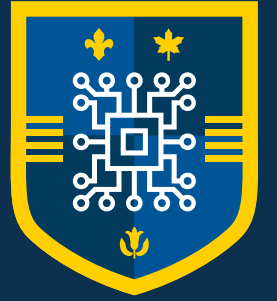
TIPS AND TRICKS

- **Choose your team wisely!**
 - Hash Code is all about team work, so make sure you choose a team of people who have similar skills and use similar programming languages
- **Don't have a team?**
 - Don't worry! Verified hackers in the WinHacks Discord server have access to a chat that is specifically for finding team mates for Hash Code

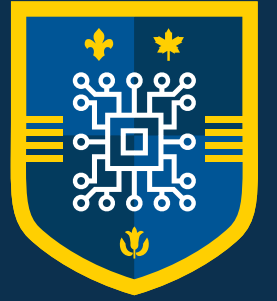


TIPS AND TRICKS

- **Don't try to get the exact best answer**
 - These problems are made to be complex on purpose
 - You don't need to get the exact correct answer to win, you just need to come up with some output that is as close to the correct answer as you can make it
- **Time is key!**
 - Make sure you leave enough time for your program to run!
- **Don't submit nothing!**
 - You can get points even if your answer isn't exactly correct



Show Me the Platform!



Have any **questions?**

Ask away! We hope you learned something new!



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THANK YOU

FOR JOINING US!

Make sure to tune in next time!