

2022 High School Coding Competition - *online*

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Saturday, April 09, 2022 @ 9:00 - 11:00 AM

I code therefore I am!

Zoom link: TBA in an email

The Coding Contest will be online only and will operate with the following rules:

1. All teams and the jury should show up in Zoom at the beginning of the contest 10 minutes before and rules will be explained.
2. The file with the problems will be sent to the team's email address and posted in Zoom chat at 9 am
1. Each team (2 students) will have a number (Example: Team 2 will be shared a Google Drive folder called "Team 2" where they upload their file solutions). Each team is recognized by a single email provided by the team during team registration. The submission folder will be shared with this email.
 - a. This email will be used for setting up shared Google Drive folders for each team
 - b. Example: The team with email a123@gmail.com will be **Team 1** and will receive an invite to see the Google Drive folder called "Team1".
2. Teams must preselect a single programming language for the competition (Java or Python). In other words, all problems (from a single team) must be solved with the same programming language.
3. During the competition:
 - a. Teams may use only the provided contest Zoom call to communicate with, and only with, their partner and the jury.
 - b. Each team will be put in a Zoom breakout room corresponding to their team name. e.g. Team 1
 - c. is in breakout room Room 1.
 - d. A team of two students may work on **one or two** computers. If you have a question, you will go to the Main room and put your question in a private chat, or use the "Ask for Help" button and the juror will come into your room.
 - e. Students may only use printed materials (books, reference sheets, etc.) and are prohibited from using the internet as a resource.
4. Follow the formatting shown in the problem examples. There are penalties if you do not follow the format.
5. Submission Details:
 - a. Solution files must be named according to the following naming convention:
 - [Team#]Ex[problem#].[extension]
 - Example: For **Team 1's** solution to problem Ex5:
 - Upload **Team1Ex5.py** or **Team1Ex5.java** to folder "Team 1"
6. The jury will review your most recent submission and provide basic feedback (accepted or rejected) as soon as possible by means of a "ticket" as a new folder.
 - a. For Ex5, the team will see a new sub folder called **Accept5** or **Reject5**
 - b. Jury will move accepted files into the associated accepted folder
 - c. Jury will also move rejected files into the associated rejected folder
 - d. Jury will not specify the error type.
7. The winning team is the team that solves the most problems in the least amount of time.
 - If **Team 1** and **Team 2** have both successfully solved all five problems, we next consider the timestamps of their last submissions. For instance, if **Team 1** sent **Team1Ex5.java** at **9:12 AM** and **Team 2** sent **Team2Ex5.py** at **9:24 AM**, then **Team 1** is the winner.
 - Winners and participants will be posted on our [website](#) the following day.

Python (3.X):**Submission Example:**

```
# File: Team1Hello.py
def main():
    print ("Hello World!")
main()
```

Accepted Libraries:

- import random
- import math
- import numpy (for sort)

Java:**Submission Example:**

```
/** File: Team2Hello.java*/
public class Team2Hello {
    public static void main (String [] args) {
        System.out.println("Hello World!");
    }
}
```

Accepted Libraries:

- import java.util.*;
- You may use multiple classes, but they must be within a single file!! We won't accept compressed files
 - Tip: Only the class with main() should be declared public

Possible reasons for your solution being rejected:

1. Misnamed File
2. Syntax Error (use of **package** in Java)
3. Incorrect Output
4. Improper Output Formatting
5. Use of Unapproved Library/Import
6. Deadline (Time) overdue
7. File is not source file
8. Program takes too long to run
9. Or others

Good luck!