Wings 2023

Competition Title: Ode-To-Code

Rulebook

1. Purpose

- This document outlines safety and operational regulations that govern coding contest to ensure participants enjoy fair competition in a safe environment.

2. Eligibility

- Anyone with a knack for programming and access to the Internet.

3. Allowed Materials

- Participants are allowed to bring paper copies and pen/pencil.
- No external electronic data may be accessed at any time. This includes phones, USB drives, the internet, etc.
- Teams or individuals may not consult with coaches or other external sources during the competition.

4. Contest Rules

- The problems may be solved in any order.
- All solutions will be submitted electronically. Solutions will be tested by the judges and feedback will be sent accordingly.
- If a question is unclear, participants may request clarification from the judges. If a clarification is warranted, it will be posted on the contest site.
- Participants may print out their code. Any printed pages will be delivered by a contest volunteer. Participants should not pick up their printouts themselves.
- Any unauthorized behaviour will result in automatic disqualification. This includes but is not limited to: looking at other teams' work/solutions, using disallowed external resources, or attempting to hack the contest environment.
- Judge's decisions are final.

5. Format

➢ For Individuals

- **Round 1 : Quiz**
    a) The contest will consist of 25 problems to be solved in 30 min.
    b) Questions will be MCQ type [Aptitude + Programming].

- **Round 2 : Coding Round**
    a) The contest will consist of 5 problems to be solved in 2.5hours.
    b) Allowed programming languages are C, C++, Java, and Python.

- **For Teams (** upto 3 members**)**
  - **Round 1 : Coding Round (Qualification)**
    c) The contest will consist of 5 problems to be solved in 2.5 hours.
    d) Allowed programming languages are C, C++, Java, and Python.

  - **Round 2 : Final Round**
    a) The contest will consist of 5 problems to be solved in 2.5 hours.
    b) Allowed programming languages are C, C++, Java, and Python.

6. Program Output

- All questions must read data from standard input and write to standard output. (Examples included at the end)
- Output will only be accepted if it is formatted exactly as specified in the problem statement (No preceding or trailing spaces, extra characters, typos, etc.)
- There is a runtime limit specified at the top of the page on all problems. Any programs running longer than this time will be cut-off.

7. Judge Feedback

- After receiving solutions, the following types of feedback will be sent back:
  a) Accepted: The solution is correct.
  b) Compilation Error: The program did not compile.
  c) Run-time Error: The program raised an error during runtime.
  d) Incorrect Output: The solution outputs the wrong answer for a test case.
  e) Time Limit Exceeded: The program ran over the time limit and was cut-off.

8. Registration

- Entry fees for Individual: Rs 50 /-
- Entry fees for Team : Rs 150 /-

9. Accommodation

- Hospitality Partners will provide accommodation for free of cost in college campus.

- **Venue**:
- **Registration Link** – https://forms.gle/4HrsQUCziD6nkgqz7
- **Website**: http://www.gecawings.com
- **Head coordinator:**

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Standard Input/Output

Below are some examples of how to read from standard input and write to standard output, which you will need to do for each problem.

```
Solutions to the following problem.

Write a program that takes a single integer, n, followed by n lines, and
outputs n lines, each containing the corresponding input line doubled.
```

//Solution in C

```
#include <stdio.h>
int main(void)
{
  int datalines, number, result;
  scanf("%d", &datalines);
  for (int i = 0; i < datalines; i++)
  {
    scanf("%d", &number);
    result = number * 2;
    printf("%d\n", result);
  }
  return 0;
}
```

//Solution in C++

```
#include <iostream>
using namespace std;
int main()
{
   int datalines, number, result;
   cin >> datalines;
   for (int i = 0; i < datalines; i++)
   {
      cin >> number;
      result = number * 2;
      cout << result << endl;
   }
   return 0;
}
```

//Solution in Python 3

```
datalines = int(input())
```

```
for i in range(datalines):
number = int(input())
result = number * 2
      print(result)
```

//Solution in Java

```
import java.util.*;
public class Problem1
{
   public static void main(String[] args)
   {
     int datalines, number, result;
     Scanner in = new Scanner(System.in);
     datalines = in.nextInt();
     for (int i = 0; i < datalines; i++)
     {
       number = in.nextInt();
       result = number * 2;
       System.out.println(result);
     }
    }
}
```