NISTtech Coding Competition - March 2023

| Rules, Regulations, Information

Rules

- There is a maximum of 1 hour and 30 minutes for this competition.
- There are 9 questions and a maximum of 300 points may be awarded.
- You may use either Python 3, C, and C++, or Java to write your solutions.
- You may have access to the official documentation of your programming language and any writing/scratch materials. Examples of allowed programming language documentation include:
    - http://www.cplusplus.com/reference/
    - http://docs.oracle.com/javase/8/docs/api/
    - https://docs.python.org/3/reference/index.html
- Solutions must be written in the spirit of the competition; i.e. no checking for test cases and outputting the expected answer. Remember, you have to submit your solution too!
- Do not modify or reverse engineer the grader program (`grader.py` in each problem folder).
- Do not modify or remove/add test case files (`1.in, 1.out, 2.in, etc.`).

Solutions

- For **Python** solutions, it is assumed that solutions are implemented as a script that reads input data from `stdin` and writes output data to `stdout`. (`input` and `print`).
- For **C and C++** solutions, it is assumed that solutions read input data from `stdin` and write output data to `stdout` (`scanf` and `printf`).
- For **Java** solutions, it is assumed that they are implemented in a class named `Solution` with a `public static void main` method.

Awards

- Cash prizes will be given out to the top 3 finishers.
- Every participant will receive a signed certificate certifying your participation in the competition.

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Grading and Submission

Grader and test cases

- Run the grader on your code - we will go over this at the start of the competition.
- Attach your solution code file and copy and paste the output of the grader into this Google Form.

For instance, a submission for the example problem could look like this: