PROGRAMMERS INC

CODEJAM

Do you believe not just in writing code but making it more efficient? If yes, this event is for you. Quark presents to you a competitive programming event. Rack your brains to solve puzzles and real world problems. Compete with people all across the nation and show off your programming skills

CodeJam will have 2 rounds exclusive of each other, and are individual events.
These rounds will be held on codechef.com

Round 1:
This is a teaser round for Quark CodeJam '17 and participants are welcome to attempt this optional round. This round will be hosted online on CodeChef for a duration of 3 hours with 5 short problems. For any wrong submission (no test cases passed), a penalty of 10 mins will be imposed.

Round 2:
Anybody is allowed to sit for this, irrespective of their participation in the first round (optional). The contest will be hosted online on CodeChef for a duration of 5 hours with 8 problems. No team participation is allowed and plagiarism of any sort will result in cancellation of participation. For any wrong submission (none of the test cases passed), a penalty of 15 mins will be imposed.

Judging Criteria:
Participants will be judged based on the number of test cases their program gives the correct answer for. Judging will be done via the online judge.

Team size: 1

Rules :
- You are required to print the final output. Sample output format will be provided in each problem statement.
- All the major programming languages are permitted. The participants will be judged on both correctness and time of submission of the solution.
- Use of the internet, other than accessing Code chef, is prohibited.
- Any participants, if found using any unfair means, will be disqualified from the event.
- The decision of the organizers in declaring the results will be final. No queries in this regard will be entertained.

BITS CTF

Bits CTF is a computer security contest targeted at anyone with an interest in computer science. The game consists of a series of challenges where participants must reverse engineer, break, hack, decrypt, or do whatever it takes to solve them. The challenges are all set up with the intent of being hacked; making it a great way to get some hands-on experience. The objective of the game is for to gain as many points as possible by solving these challenges. This is a jeopardy-style CTF with multiple categories of challenges.
Duration: 48 hours.

Team Size: up to 5

Judging Criteria:
•Participants will be judged on the cumulative points over the entire set of problems.
•In case of a tie, it will be sorted by adding the cumulative time of all the solved questions

Rules:
1. The competition is an online jeopardy style CTF with multiple categories of challenges, accessible from the Internet which has a
duration of 48 hours.
2. The competition can be played by individuals or groups (max team size of 5), only one account per team.
3. The participant must provide a real point of contact for future notifications or claim the prize.
4. Participants that behave inappropriately will be immediately disqualified, including:
- Share solutions or hints.
- Attack computers or applications not designated by the competition.
- Attack other participants.
- General brute force attacks over online platform unless specified.
- Duplicated accounts.
- Other things we consider to be unfair.
- Attacking contest server.
5. Scoring system is dynamic.

REVERSE CODING

This event will push your logical, deductive and mathematical skills to the limits. Be the Bond of programming and figure out what is the hidden source code by looking at its behavior on your inputs. The participants will be provided a portal with a 'black box' function and an input template. The participant can generate as many outputs on any desired input to guess what exactly the hidden source code is doing (e.g. calculating the nth Fibonacci number for every input n.) and code it. The portal will test your function on several test cases, and award a score accordingly. The score will vary depending on the difficulty level of the problem. The participants are responsible for bringing their own laptops and ensuring that they are sufficiently charged for a 3-hour event.

Judging Criteria:
Participants will be judged on the cumulative points over the entire set of problems. In case of a tie, it will be sorted by adding the cumulative time of all the solved questions.

Rules:
- Almost all languages supported on Hackerrank are allowed.
- Any participants, if found using any unfair means, will be disqualified from the event.
- Each program will be tested based on our critical test data. However, output and input should be exactly as specified in the samples provided.
- Internet connectivity, other than for accessing Hackerrank, is not allowed.
- The decision of the organizers in declaring the results will be final. No queries in this regard will be entertained