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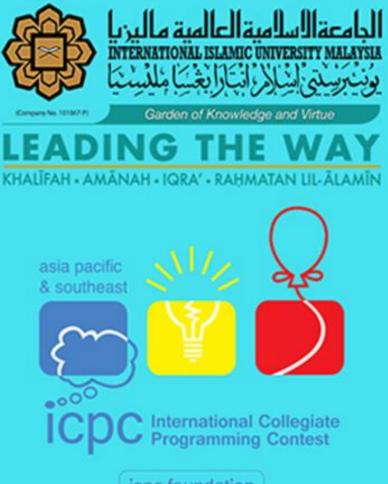
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icpc global sponsor programming tools International Collegiate Programming Contest Asia Regional Kuala Lumpur

NOV 8 - 10, 2019



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#### International Collegiate Programming Contest Asia Regional – Kuala Lumpur

## **Technical Briefing**

#### November 8-10, 2019

#### **Contest Area**

- 2<sup>th</sup> floor, Room: 13, 14.
- All contestants and coaches should wear the provided contest T-shirt as an outer-most garment at all time.
- Any additional clothing must be worn underneath the contest T-shirt.

#### Refreshments & Toilet

- Refreshments (snacks and drinks) are during the contest. Enjoy!
- Please ask the committee in your room if you need to go to the toilet.

#### Seating, Username, Password

- Username, password and seating arrangement for each team will be different between practice session (1<sup>st</sup> day) and the contest proper (2<sup>nd</sup> day).
- Username and password will be given to each team before the contest along with the problem-set.

#### Items

Teams may bring these items into the contest room on the contest day.

- Team Notebook
  - $\checkmark$  contains up to 25 (single sided) pages of reference materials.
  - ✓ must be readable by a person with correctable eyesight without magnification from a distance of 1/2 metres
  - $\checkmark$  put your team name and university on the first page.
  - ✓ leave them on your team's table after **practice session**.

#### Items

Teams may bring the following items into the contest room on the contest day.

- Additional blank papers and graph papers
  - ✓ leave them on your team's table after **practice session**.
  - ✓ blank papers will also be provided by the committee.
- Stationery
  - $\checkmark\,$  pens, pencils, rulers, etc.
- Dictionary
  - ✓ hard-copy
  - ✓ leave them on your team's table after **practice session**.

#### Items

Teams are **NOT ALLOWED** to bring the following items into the contest room on the contest day.

- Any electronic/digital devices
  - Flash-disk, HDD, Mobile-phone, Smartphone, Smart-watch, Calculator, Laptop, etc.

You can put all your stuffs in the corner of the contest rooms.

### **Computing Environment**

- Each team will be provided with a single computer.
- All teams and judges will have an equivalent computing environment.

## **Computing Environment**

#### Hardware

- DELL Optiplex 9010
- Intel Core i7 3770 16GB RAM
- - 500GB HDD
- Dell 21.5' inch Monitor
- Keyboard & Mouse (Wired)

#### Software

- OS
- Contest Application
- ٠
- Text Editor
- IDEs

Ubuntu 18.04.3 LTS Linux (64-bit)

DOMjudge

Language (Compiler) C, C ++, java and Python

vi, nano, emacs, gedit, ge

Eclipse, Clion, Code-Block, Idea and PyCharm

#### **IMPORTANT!**

- Save your files in any directory under \home\ipcpcontestant\workspace\
- All computers are NOT in frozen-mode.
- If the computer restarts, the login-id is **icpccontestant**, the password is **icic2019**.

#### Problem set

- There are 10 problems (A to J).
  - Any problem corrections as well as time limit for each problem will be stated in the problem set.
  - The link is http://scoreboard.iium.edu.my/icpckl2019/public
- Each problem is printed on separate pages (total: 16 pages)
- Each team will receive an envelope which contains 2 copies of the problem set.

#### Start of Contest

- Before the contest is started
  - Team **MAY NOT** open the problem-set envelope.
  - Team **MAY NOT** touch the keyboard.
- The committee will announce if the contest is started
  - Team may open the problem set envelope and start working.
    - $\checkmark$  There's no need to wait further instruction.

#### Submission

- Teams should submit their solutions via DOMjudge team page.
- Make sure you choose the correct problem and language.

#### Judge's Response

**CORRECT**, accepted solution.

• The corresponding problem is considered solved.

COMPILER-ERROR MEMORY-LIMIT TIMELIMIT RUN-ERROR

- do not forget to return 0 at the end of your main function (C/C++)
- missing or different return statement may result in RUN-ERROR

NO-OUTPUT

WRONG-ANSWER

#### Balloon

Each **CORRECT** problem will get a balloon!

Intimidate your competitor

 $\odot$ 

DO NOT pop the balloons ...



### Clarification

- Team may submit clarification requests to the judges via DOMJudge.
  - It's better to submit only questions related to the problem set.
  - Question related to the workstation or other logistics can be addressed directly to the committee in your contest room.

• If the judges agree that an ambiguity or error exists in the problem set, a clarification will be issued to all teams.

### Printing

- All files will be printed as **RAW TEXT FILE** (don't send images).
- A print-runner will bring the print results to your team.

- From the editor or IDE select print.
- Asked to DOMjudge clarification if any issues arise.

## Scoring

- **TOTAL TIME** is the sum of the time consumed for each solved problem.
- The **time consumed for a solved problem** is:
  - the time elapsed from the beginning of the contest to the submittal of the first accepted solution.
  - 20 penalty minutes for every previously rejected solution (except COMPILE-ERROR) for that problem.
- There is no time consumed for a problem that is not solved.

#### Scoreboard

- Scoreboard will be displayed on the screen in each room and teams can also view the scoreboard from their computers.
- Scoreboard will be frozen (not be updated) in the last hour of the contest.
  - Balloons also will not be distributed.
  - Teams still get responses from judges.
- Link of scoreboard
  - **Contest.iium** for a local link
  - http://scoreboard.iium.edu.my/icpckl2019/public
    for public link
  - we will broadcast from the beginning of the competition through DOMjudge

# Fair Play

You might be disqualified for any activity that jeopardised the contest, including (but not limited to):

- hacking attempt,
- cheating,
- dislodging cords,
- distracting behaviours,
- ♦ etc.

#### Others

- Only contestants, judges and committee members are allowed to be on the 2<sup>rd</sup> floor on the contest day (checked by T-shirt).
  - Coaches are not allowed to be on the 2<sup>rd</sup> floor.
- Coaches can observe the live scoreboard and will be given a copy of problem-set in the auditorium.
- Smoking is prohibited in any area of IIUM campus.

## Questions?

#### **Problem-setters**

- 1. Shahriar Manzoor Southeast University, Dhaka
- 2. Mina Magdy Google Munich, Germany
- 3. Masum Nayeem Dhaka
- 4. Mohammad Yaseer R&D Swvl, Cairo
- 5. Muhammad Amirul Ashraf Grab Malaysia
- 6. Rizal Mohd Nor IIUM
- 7. Jeremy Lest Univ Maranatha, Bandung.

### Judges

- 1. Prof. Dr. Teddy Mantoro (Sampoerna Univ) (Chief Judge).
- 2. Dr. Rizal Mohd Nor (IIUM).
- 3. Marini (UKM).
- 4. Felix Jingga (Binus, Jakarta, Indonesia).
- 5. Muhammad Amirul Ashraf Grab Malaysia.

## Enjoy and Good Luck