

DOMjudge - Team Interface

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Outline

- 1 System's overview
 - Introduction
 - Use cases
 - Public scoreboard
- 2 Team interface
 - View problems, scores and submissions
 - Implement solutions
 - Submit solutions
 - View the result of submissions
 - Judging process

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Introduction

- DOMjudge is an automated judge system to run programming contests.
- It has a mechanism to submit problem solutions, have them judged fully automatically and provides (web)interfaces for teams, the jury and the general public.
- Here, we give some basic notions about DOMjudge team's interface.
- For more informations please visit **DOMjudge's home page** at *<http://www.domjudge.org>*

Use cases

ACTIONS \ USERS	<i>Public</i>	<i>Team</i>	<i>Jury</i>
<i>Show scoreboard</i>	✓	✓	✓
<i>Submit solutions</i>	✗	✓	✗
<i>Show submissions</i>	✗	✗	✓
<i>Set contests</i>	✗	✗	✓
<i>Manage problems/teams/submissions</i>	✗	✗	✓
<i>Verify judgements</i>	✗	✗	✓

Public scoreboard

[overview](#) [scoreboard](#)

Sun 26 Jun 2011 13:22:51 CEST

Scoreboard NWERC 2010 contest

starts: 10:45 - ends: 15:45 (frozen since 14:45)

#	AFFIL.	TEAM	SCORE	A	B	C	D	E	F	G	H	I	J	
1		testteam	10	0	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	1 (0 + 0)	
2		deFAUlt	8	795	1 (0 + 0)	1 (158 + 40)	3 (84 + 40)	0	1 (5 + 0)	1 (118 + 0)	1 (194 + 0)	1 (44 + 0)	2	3 (112 + 40)
3		Bubble Sorters	7	614	1 (3 + 0)	0	2 (0 + 20)	5	1 (40 + 0)	2 (99 + 20)	5 (211 + 80)	1 (0 + 0)	2	3 (101 + 40)
4		Johan's Angels	7	912	1 (69 + 0)	1 (96 + 0)	3 (24 + 40)	0	2 (79 + 20)	0	4 (196 + 60)	1 (57 + 0)	0	3 (231 + 40)
5		Karlsruhe Immigrant Team	6	461	2 (12 + 20)	1 (75 + 0)	2 (25 + 20)	0	1 (81 + 0)	1 (185 + 0)	1	1 (43 + 0)	0	0
6		Geen Commentaar	6	485	3 (43 + 40)	1 (224 + 40)	1 (0 + 0)	0	1 (35 + 0)	0	0	1 (1 + 0)	0	2 (122 + 20)
7		Electric Monks	6	654	1 (8 + 0)	1 (133 + 0)	1 (58 + 0)	0	3 (96 + 40)	1 (237 + 0)	0	1 (82 + 0)	0	13
8		segFAUlt	6	729	1 (83 + 0)	0	3 (46 + 40)	0	1 (96 + 0)	1 (223 + 0)	0	1 (65 + 0)	0	3 (136 + 40)
9		Blamage à Trois	6	776	4 (140 + 60)	1 (222 + 0)	1 (37 + 0)	0	1 (84 + 0)	0	0	2 (61 + 20)	0	1 (152 + 20)
10		Luebeck 2	5	372	1 (29 + 0)	1 (162 + 20)	2 (7 + 20)	0	1 (64 + 0)	0	0	1 (90 + 0)	0	6
11		We're coders, but that's ok	5	520	2 (0 + 20)	0	2 (56 + 20)	0	2 (166 + 20)	1 (118 + 0)	0	2 (100 + 20)	0	2
12		Lambdabamserne	5	630	1 (0 + 0)	3 (195 + 40)	4 (68 + 60)	0	3 (190 + 40)	0	0	1 (37 + 0)	0	0
13		There is no I in KIT	5	860	1 (51 + 0)	0	2 (140 + 20)	0	3 (226 + 40)	1 (158 + 60)	0	4 (165 + 60)	0	0
14		KIT Reserve	5	883	6 (16 + 0)	0	6 (121 + 0)	0	1 (110 + 0)	1 (239 + 0)	0	1 (54 + 0)	0	0

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View problems, scores and submissions

overview **scoreboard**
Sun 26 Jun 2011 13:29:23 CEST

#	AFFIL.	TEAM	SCORE	A	B	C	D	E	F	G	H	I	J	
7		testteam	8	486	1 (51 + 0)	0	1 (52 + 0)	3 (54 + 40)	1 (55 + 0)	1 (56 + 0)	3	1 (58 + 0)	1 (59 + 0)	1 (61 + 0)

Submissions

Select file...

problem language submit cancel

Add another file

time	problem	lang	result
01:05	A	HASKELL	TOO-LATE
21:14	D	CPP	RUN-ERROR
21:04	A	C	RUN-ERROR
21:47	J	CPP	CORRECT
21:47	J	CPP	CORRECT
21:47	J	CPP	RUN-ERROR
21:47	J	CPP	WRONG-ANSWER
21:47	J	C	CORRECT
21:47	J	CPP	CORRECT
21:46	J	CPP	CORRECT
21:46	J	JAVA	CORRECT
21:46	J	CPP	CORRECT
21:46	I	CPP	WRONG-ANSWER
21:46	I	CPP	CORRECT
21:45	I	CPP	CORRECT
21:45	I	C	WRONG-ANSWER

Clarifications

time	from	to	subject	text
12:02	Jury	All	problem F	The weakest link is the region with the minimum number of armies *after* one tu...
11:30	Jury	All	problem H	Prices are integers (and so is the number of shares).
11:18	Jury	All	general	We have decided to extend the contest by 15 minutes. Therefore the end time is ...
10:52	Jury	All	general	If you want to set your keyboard layout to German, then you can do this by execu...

Clarification Requests

No clarification requests.

request clarification

Implement solutions

Reading and writing:

- Solutions have to read all input from “standard in” and write all output to “standard out” (also known as console)
- You will never have to open (other) files
- We strongly recommend to comply exactly with problem's indications!!!

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Example

Example

“Hello” problem: the first line of the input contains the number of testcases. Then each testcase consists of a line containing a name (a single word) of at most 99 characters. For each testcase output the string “Hello <name>!” on a separate line.

Sample input and output:

Input	Output
3	Hello world!
world	Hello Jan!
Jan	Hello Paul!
Paul	

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3	Hello world!
world	Hello Jan!
Jan	Hello Paul!
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```
#include <iostream>
#include <string>

using namespace std;

int main()
{
    int ntests;
    string name;

    cin >> ntests;
    for(int i = 0; i < ntests; i++) {
        cin >> name;
        cout << "Hello " << name << "!" << endl;
    }

    return 0;
}
```

Submit solutions

How can we do it?

- Solutions can be submitted from the web interface
- In the left column click **Sfoggia...** to select the file for submission
- Filenames must start with an alphanumerical character and may contain only alphanumerical characters and “+.-_”
- After submission, an error message will be displayed if something went wrong

View the result of submissions

- The left column of your team web page shows an overview of your submissions
- It contains all relevant informations: submission time, programming language, problem and status

Possible results:

- CORRECT
- COMPILER-ERROR
- TIMELIMIT
- RUN-ERROR
- NO-OUTPUT
- WRONG-ANSWER
- TOO-LATE

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3-phases process:

Submitting solutions



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Testing

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