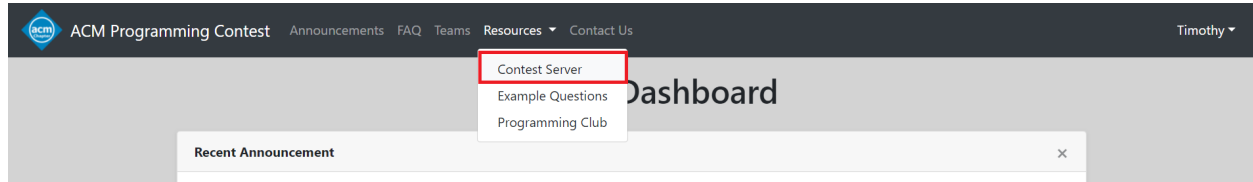
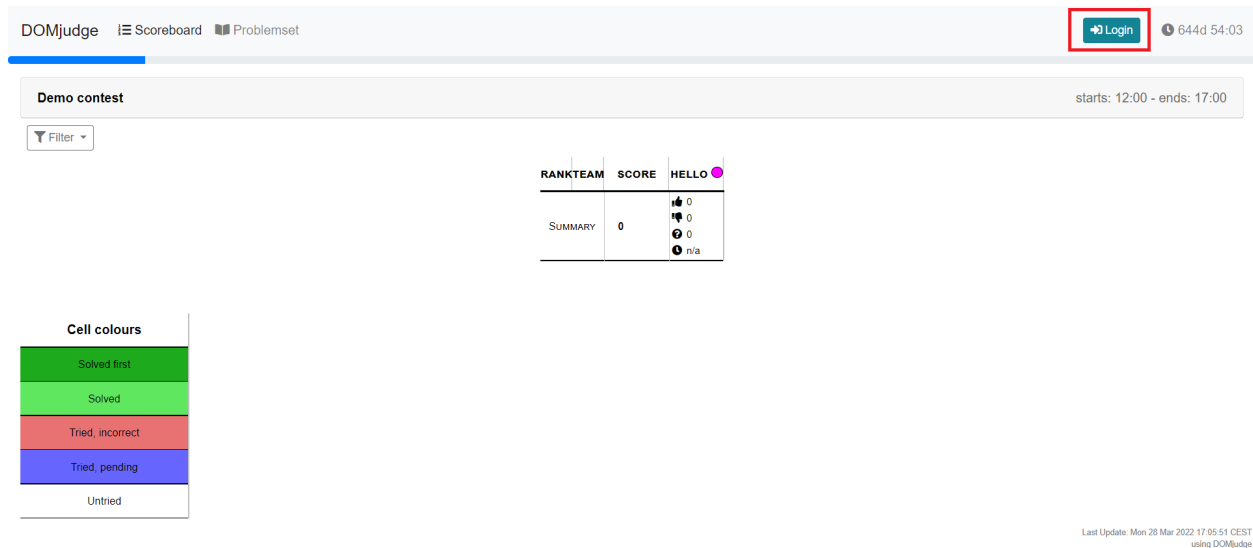


Domjudge

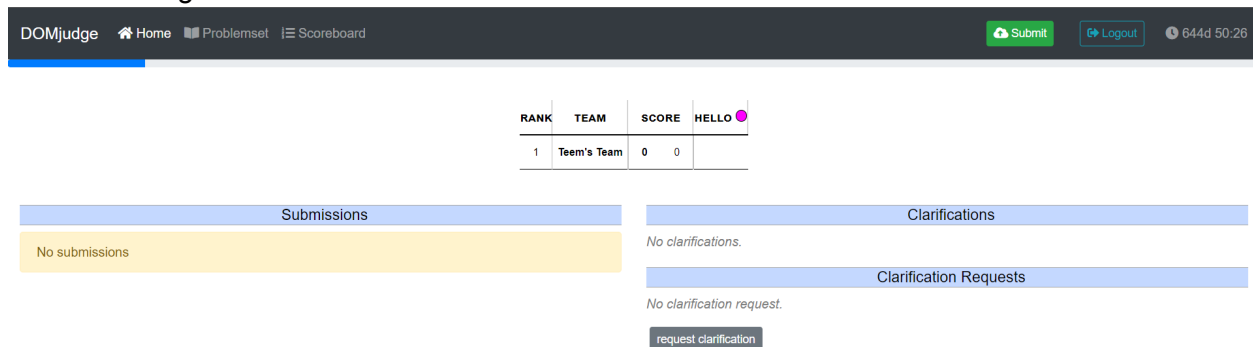
The quickest way to get to DOMjudge, is by going to the Resources tab on the contest registration site, and clicking on 'Contest Server' from the dropdown menu



Once you click that link, you will be brought to DOMjudge, where you may login with your DOMjudge credentials by clicking on the login button in the top right corner



Once You have signed-in, you will be brought to the DOMjudge home dashboard. From here, you will be able to view the problems, submit solutions, submit clarifications, and see your team's ranking on the scoreboard.



Viewing Contest Problems

To view the contest problems, you will need to click on the 'Problem Set' Tab in the top left part of page.

RANK	TEAM	SCORE	HELLO
1	Team's Team	0	0

Submissions: No submissions

Clarifications: No clarifications.

Clarification Requests: No clarification request.

request clarification

Here you can see each individual problem, as well as the time/size limit, and problem text for each problem. Clicking on the 'Problem Text' button will bring up the pdf for that question. You will also be able to download sample Input/Output for the question, so you may test your solution more efficiently.

Some questions MAY have more than one sample Input/Output you can download, but there WILL always be test cases you will not be able to download, so be sure to test your code for possible edge cases!

Contest problems

Problem hello
Hello World
Limits: 5 seconds / 2 GB

problem text

Samples

input output

zip with all samples

On the next page, you will see an example of what a question pdf looks like. The format may differ slightly from the questions you see on the day of the contest, but overall they will contain the same information: Problem description, description of the input and output format, and examples of what the Input/Output looks like.

DOMjudge sample problem

hello – ‘Hello World’



Problem description

You are to write the most basic program; it should just output “Hello world!” on a single line, no matter what the input.

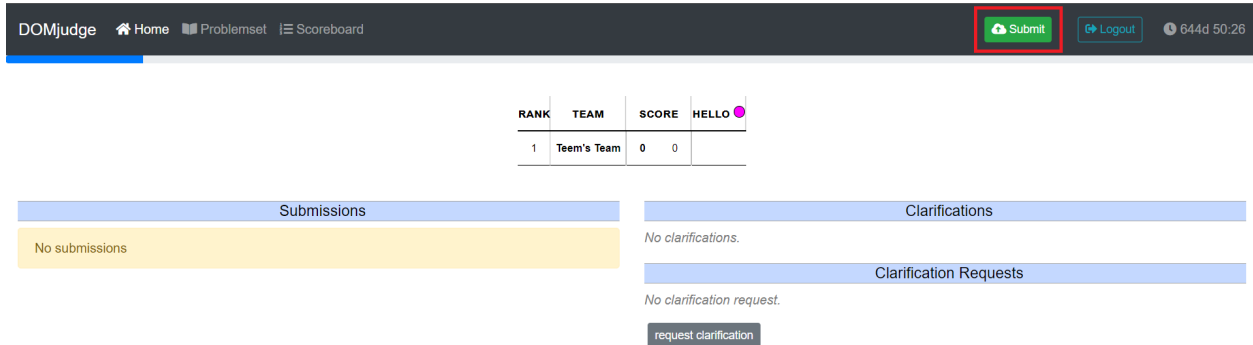
Sample input/output

Sample input and output for this problem:

Input	Output
1	Hello world!

Submitting Solutions

To submit your code solution to a problem, click on the 'Submit' button on the top right of the page

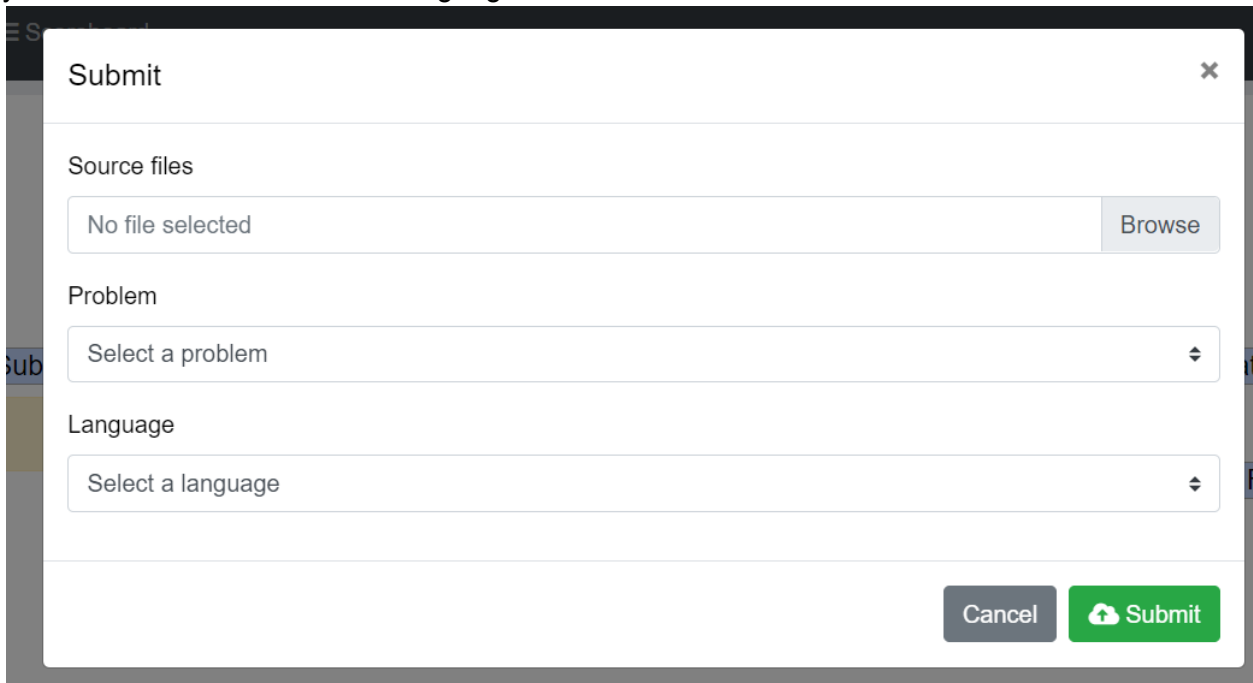


The screenshot shows the DOMjudge interface. At the top, there is a navigation bar with 'DOMjudge', 'Home', 'Problemset', and 'Scoreboard'. On the right, there is a 'Submit' button (highlighted with a red box), a 'Logout' button, and a user ID '644d 50:26'. Below the navigation bar is a scoreboard table:

RANK	TEAM	SCORE	HELLO
1	Team's Team	0	0

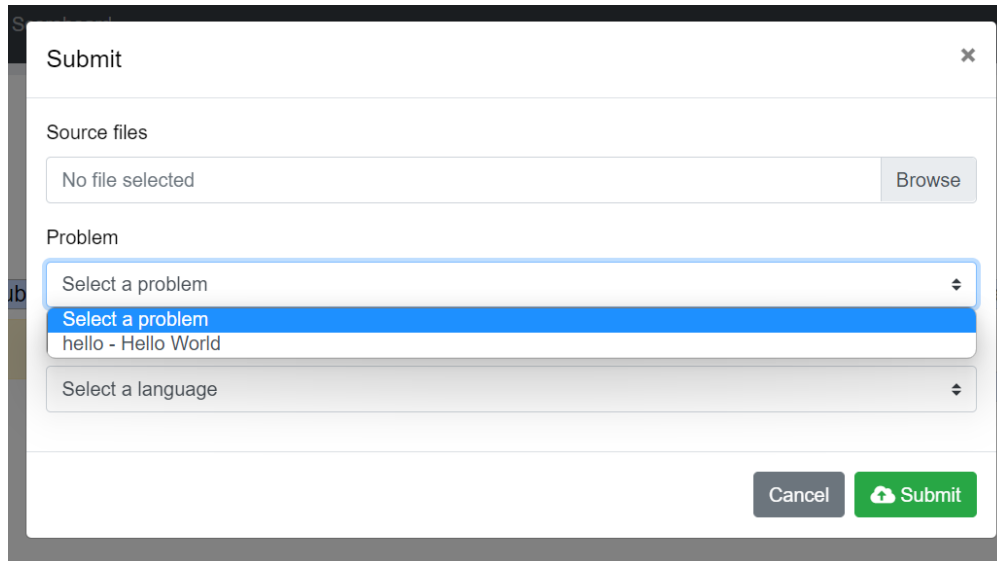
Below the scoreboard, there are three sections: 'Submissions' (No submissions), 'Clarifications' (No clarifications), and 'Clarification Requests' (No clarification request). A 'request clarification' button is visible below the 'Clarification Requests' section.

A pop-up box will appear, where you can select the code file from your computer, the problem you wish to submit to, and the language the code is written in.



The screenshot shows a 'Submit' pop-up box. It has a title bar with 'Submit' and a close button. The box contains three sections: 'Source files' with a text input 'No file selected' and a 'Browse' button; 'Problem' with a dropdown menu 'Select a problem'; and 'Language' with a dropdown menu 'Select a language'. At the bottom right, there are two buttons: 'Cancel' and 'Submit'.

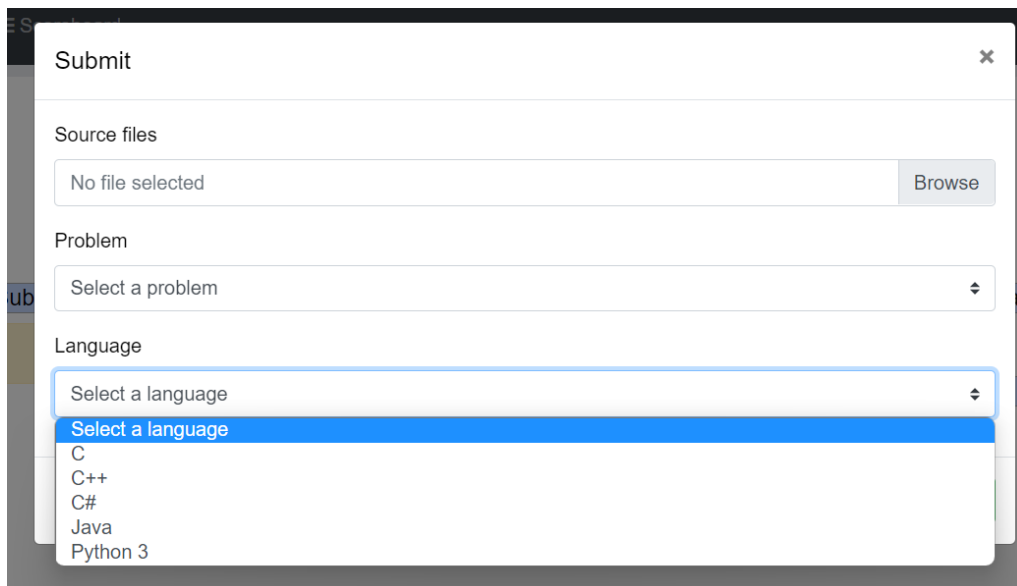
Once you select your source file, you will want to select the problem you are submitting to. All problems will appear in the drop-down menu, so be sure to select the correct one! They will typically be numbered, and have a name for them.



The screenshot shows a 'Submit' form with the following elements:

- Source files:** A text input field containing 'No file selected' and a 'Browse' button.
- Problem:** A dropdown menu with 'Select a problem' as the current selection. The dropdown is open, showing a list of options. The first option, 'Select a problem', is highlighted in blue. Below it, 'hello - Hello World' is visible.
- Language:** A dropdown menu with 'Select a language' as the current selection.
- Buttons:** 'Cancel' and 'Submit' buttons at the bottom right.

Then, select the language you have written your code in. Based on how you named your code file, DOMjudge may autodetect and select the language, however you will want to verify it from the drop-down menu.



The screenshot shows the same 'Submit' form as above, but with the 'Language' dropdown menu open. The dropdown is open, showing a list of options. The first option, 'Select a language', is highlighted in blue. Below it, 'C', 'C++', 'C#', 'Java', and 'Python 3' are visible.

Once you have selected and verified everything, click on the submit button to submit your code to be judged.

After you have submitted your code, the submission will appear under the Submissions panel on the DOMjudge home page. Here you will see the time it was submitted, the problem it was submitted to, the language it was submitted in, and the result of the submission.

It will at first say 'PENDING' under the result, as it is put into a queue for the Judgehosts to judge, so may take some time. The page will auto-refresh once the submission has been judged, but sometimes you may need to refresh the page yourself for the result to show.

Submissions			
time	problem	lang	result
17:23	HELLO	CPP	PENDING

There are a number of things that can appear under the 'Result' Column once a submission has been judged, and we will go over a few common ones now.

WRONG-ANSWER means the program was able to be compiled, and executed properly, however the output of the program was incorrect. This could be simple as a formatting issue, or could be that the solution is overall incorrect.

Be sure to match the format of the output EXACTLY AS SPECIFIED in the question write-up, spacing and case of letters especially, and do not include extra output statements, i.e no prompts such as "Please enter a number", "Answer: ", etc.

If your formatting is correct, then the solution is most likely incorrect, and you will need to re-think the problem, especially considering edge cases.

RANK	TEAM	SCORE	HELLO
1	Teem's Team	0 0	1 try

Submissions			
time	problem	lang	result
17:23	HELLO	CPP	WRONG-ANSWER

time	from	to
17:17	Jury	All

COMPILER-ERROR means that the program was unable to compile and be executed. Make sure that your code properly compiles, and that you are compiling with the same version of the languages that are allowed.

RANK	TEAM	SCORE	HELLO
1	Teem's Team	0 0	1 try

Submissions			
time	problem	lang	result
17:25	HELLO	CPP	COMPILER-ERROR

You may view more information about the compilation error by clicking on the submission, and a pop-up window will appear the error message that was raised when trying to compile the program.

Submission details ✕

Problem: **HELLO - Hello World** Submitted: **17:25** Language: **C++** Compilation: **failed**

Compilation output

Compiling failed with exitcode 1, compiler output:
 hello.cpp: In function 'int main()':
 hello.cpp:7:24: error: expected ';' before 'endl'
 7 | cout << "Hello World!" endl;
 | ^~~~~~
 | ;
 | ;

Close

CORRECT means your code passed all of the test cases, and you solved the problem! You can now move on to another problem and attempt to solve that one. You will be able to see all of your submissions for all questions under the submission panel.

RANK	TEAM	SCORE	HELLO
1	Teem's Team	1 124128	124108 2 tries

Submissions			
time	problem	lang	result
17:28	HELLO	CPP	CORRECT
17:25	HELLO	CPP	COMPILER-ERROR
17:23	HELLO	CPP	WRONG-ANSWER

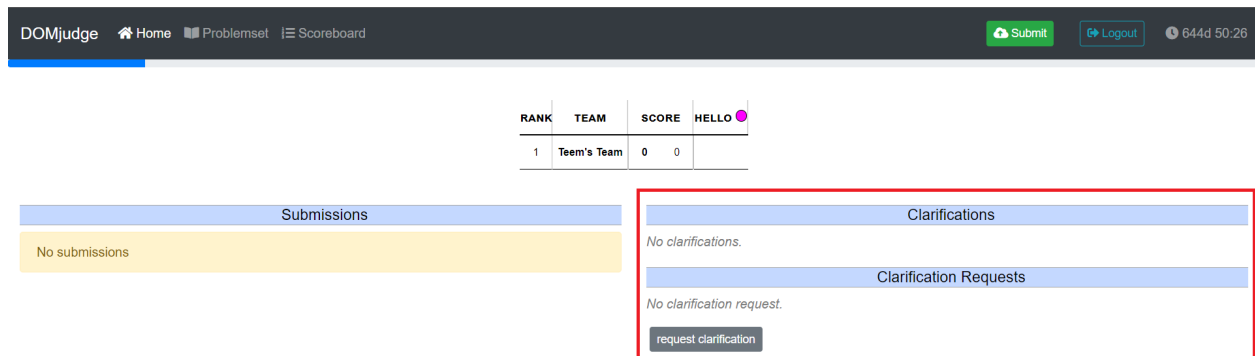
The following is an overview of all possible outcomes you may receive after the submission for a problem is judged.

CORRECT	The submission passed all tests: you solved this problem! <i>Correct submissions do not incur penalty time.</i>
COMPILER-ERROR	There was an error when compiling your program. On the submission details page you can inspect the exact error (this option might be disabled). Note that when compilation takes more than 30 seconds, it is aborted and this counts as a compilation error. <i>Compilation errors do not incur penalty time.</i>
TIMELIMIT	Your program took longer than the maximum allowed time for this problem. Therefore it has been aborted. This might indicate that your program hangs in a loop or that your solution is not efficient enough.
RUN-ERROR	There was an error during the execution of your program. This can have a lot of different causes like division by zero, incorrectly addressing memory (e.g. by indexing arrays out of bounds), trying to use more memory than the limit, etc. Also check that your program exits with exit code 0!
NO-OUTPUT	Your program did not generate any output. Check that you write to standard out.
OUTPUT-LIMIT	Your program generated more output than the allowed limit. The output was truncated and considered incorrect.
WRONG-ANSWER	The output of your program was incorrect. This can happen simply because your solution is not correct, but remember that your output must comply exactly with the specifications of the judges. See section 4.3 below for more details.
TOO-LATE	Bummer, you submitted after the contest ended! Your submission is stored but will not be processed anymore.

Submitting Clarifications

If you need to ask a question during the contest, specifically about one of the contest problems, how DOMJudge works, questions about one of your submissions, etc. you may submit a clarification on the right side of the home page.

There will be Proctors available in the contest room to help with generic questions, but clarifications are for more specific questions. To submit a clarification, simply click the 'Request Clarification' button under the Clarification Requests panel.

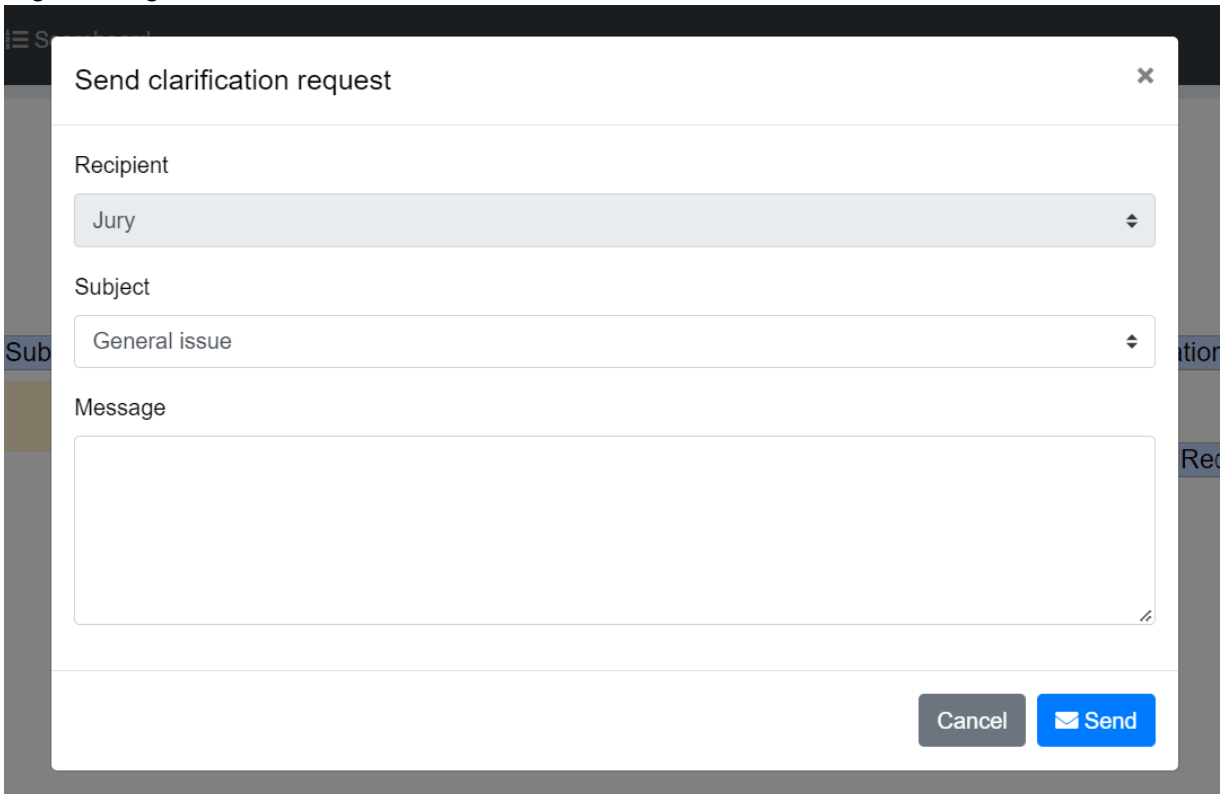


The screenshot shows the DOMJudge interface. At the top, there is a navigation bar with 'DOMjudge', 'Home', 'Problemset', and 'Scoreboard'. On the right, there are buttons for 'Submit' and 'Logout', and a timer showing '644d 50:26'. Below the navigation bar is a scoreboard table:

RANK	TEAM	SCORE	HELLO
1	Team's Team	0	0

Below the scoreboard, there are two panels: 'Submissions' (showing 'No submissions') and 'Clarifications' (showing 'No clarifications.'). Below the 'Clarifications' panel is a 'Clarification Requests' panel (showing 'No clarification request.') with a 'request clarification' button.

A pop-up window will appear, allowing you to choose a subject, and write your clarification to submit to the Jury. The Jury usually consists of the question writers, and organizer(s) of the programming contest.

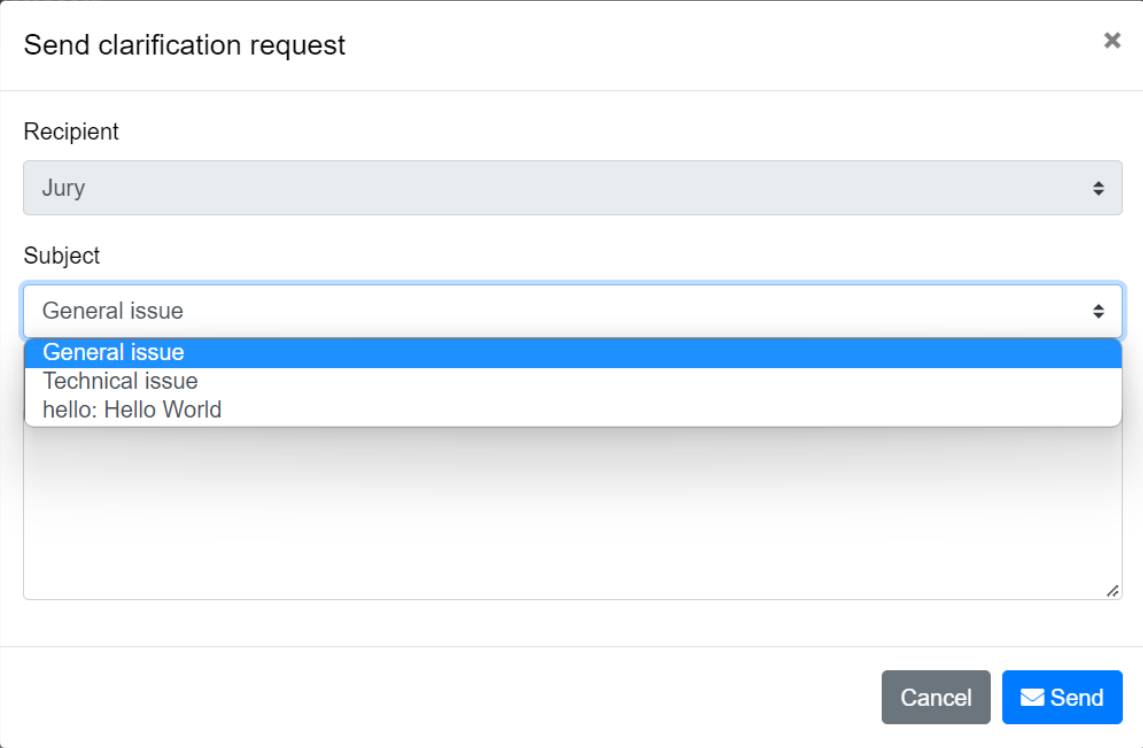


The screenshot shows a pop-up window titled 'Send clarification request'. It has a close button (X) in the top right corner. The form contains the following fields:

- Recipient: A dropdown menu with 'Jury' selected.
- Subject: A dropdown menu with 'General issue' selected.
- Message: A large text area for writing the clarification.

At the bottom right of the window, there are two buttons: 'Cancel' and 'Send' (with an envelope icon).

Select the Subject from the drop-down menu, which can be a General Issue, a Technical Issue, or a particular contest problem.



Send clarification request

Recipient

Jury

Subject

General issue

General issue

Technical issue

hello: Hello World

Cancel Send

You will then write your question in the text box, and submit the clarification by clicking 'Send' in the bottom right of the box. You will then see your clarification request in the panel on the homepage.

Clarifications

No clarifications.

Clarification Requests

time	from	to	subject	text
17:15	Teem's Team	Jury	problem hello	I am having an error

request clarification

It may take some time for the Jury to get back to you, as there are usually a good number of clarifications that need to be answered. Once your clarification has been answered however, you will see the response in **bold** under the 'Clarifications' Panel.

Clarifications				
time	from	to	subject	text
17:17	Jury	Teem's Team	problem hello	Here is the solution

Clarification Requests				
time	from	to	subject	text
17:15	Teem's Team	Jury	problem hello	I am having an error

request clarification

Simply click the clarification, and you will be able to see the full response form the Jury. You may also click the 'Reply to this clarification' button if you need additional information relating to that particular clarification.

Clarification Request ✕

Subject: Problem hello: Hello World 17:15

From: Teem's Team (t3) To: Jury

I am having an error

Subject: Problem hello: Hello World 17:17

From: Jury To: Teem's Team (t3)

> I am having an error

Here is the solution

[reply to this clarification](#) [Close](#)

Only your team can see responses to your own clarification from the Jury. This can be seen below where it is sent to 'Teem's Team', meaning only that team has received that particular clarification/response.

However, sometimes if the Jury receives a large number of clarifications about a similar problem, if there is a typo in a question write-up, if test cases become available, or if they need to send a general announcement, then they can send a clarification to 'All', meaning every team will receive that clarification.

Clarifications				
time	from	to	subject	text
17:17	Jury	All	General issue	There is a typo in the packet for Question 2
17:17	Jury	Teem's Team	problem hello	Here is the solution

Clarification Requests				
time	from	to	subject	text
17:15	Teem's Team	Jury	problem hello	I am having an error

request clarification

Scoreboard

By clicking the scoreboard tab in the top left of the page, you may view the scoreboard for the contest. Here you can see each team's ranking, name, score, and points/number of attempts for each problem of the contest.

The screenshot shows the DOMjudge scoreboard for a 'Demo contest' starting at 12:00 and ending at 17:00. The interface includes a navigation bar with 'Home', 'Problemset', and 'Scoreboard' tabs, along with 'Submit' and 'Logout' buttons. A 'Filter' dropdown is visible. The main scoreboard table is as follows:

RANK	TEAM	SCORE	HELLO
1	Team's Team	1 124128	124108 2 tries
SUMMARY		1	👍 1 👎 1 🕒 0 🕒 124108min

Below the table, a legend titled 'Cell colours' defines the colors used in the scoreboard:

- Solved first: Green
- Solved: Light Green
- Tried, incorrect: Red
- Tried, pending: Blue
- Untried: White

Teams are ranked by the number of questions they have solved. If multiple teams have answered the same number of questions, then they are ranked by a point system based on least total time to submit a correct solution for the questions, as well as fewest attempts to get the correct solution.

You receive points when you successfully solve a problem, and the amount of points is based on how many minutes since the contest has started. For every incorrect solution you submit, you receive a penalty of 20 minutes to your final score for that problem. You may submit as many times as you like, but EACH incorrect solution will add additional time penalties. For example, if you submit a correct solution to a problem 10 minutes after the contest has started, but submitted an incorrect solution beforehand, then your final score will be 30.

Teams who answer the same number of questions will be ranked on the lowest score, since it is based on time since the contest has started + time penalties per questions. This also means that you could have a "lower" score than another team who is ranked higher, however they solved more questions than your team, thus putting them ahead.

Finally, the scoreboard "Freezes" when there is an hour left in the contest. This does not mean the scores are final, it just means you will not be able to see any changes to the scoreboard for the last hour of the contest. This means the frozen scoreboard may show a team in 3rd place, however they could actually be higher or lower on the scoreboard!

Conclusion

We hope this guide has helped with any questions you may have, and helped familiarize yourself with Domjudge. If you have any additional questions, please contact us at contest@fsu.acm.org