

ZPR PWr – Zintegrowany Program Rozwoju Politechniki Wrocławskiej

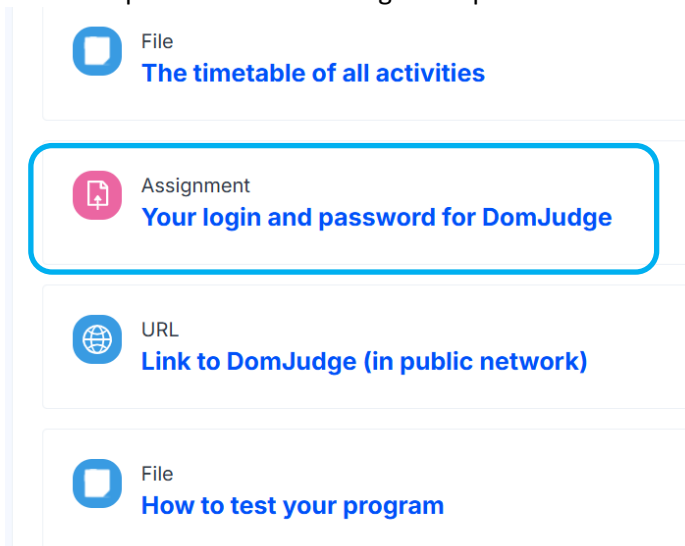
Laboratory – List 01

Introduction.

During laboratories we will use automatic checking system. To prepare for that you have to do following steps.

1. Pseudo-Task “Your login and password for DomJudge”.

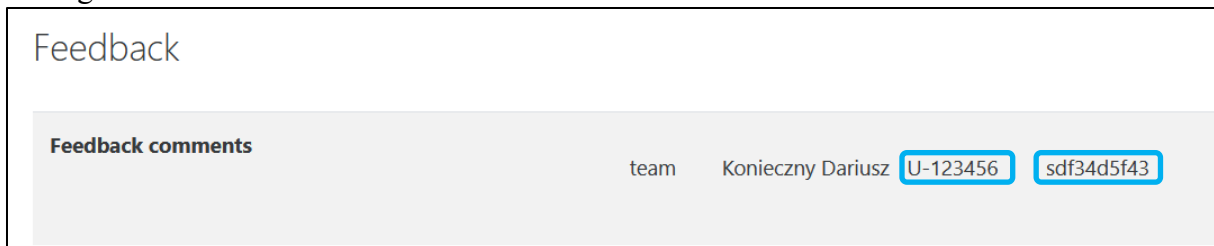
Choose a pseudo-Task “Your login and password for DomJudge” I “Common Information” section:



The screenshot shows a sidebar menu with four items:

- File**: The timetable of all activities
- Assignment**: Your login and password for DomJudge (highlighted with a blue border)
- URL**: Link to DomJudge (in public network)
- File**: How to test your program

Then go down to see “Feedback comments” which can be like follows:



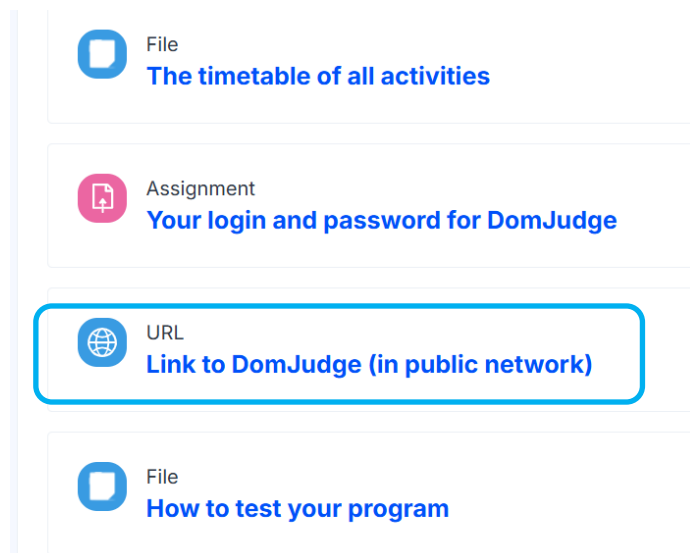
The screenshot shows the 'Feedback' section with a table of comments:

Feedback comments	team	Konieczny Dariusz	U-123456	sdf34d5f43

The string with prefix “U-” is the name of login, so in the example it is “U-123456”. The second is the password for this account – “sdf34d5f43”.

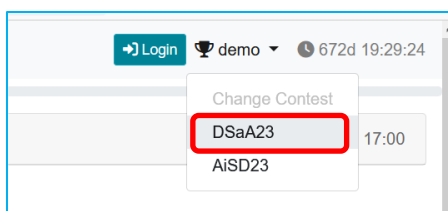
2. Using judgement system

Now you can login into judgement system. Go to main page of the course and choose “Link ro DomJudge (in public network)”:

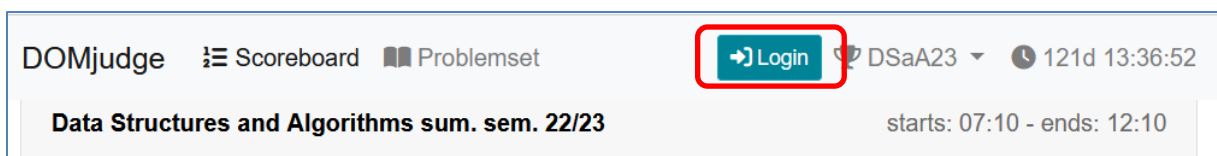


This will open new webpage with the URL <http://domj.wit.pwr.edu.pl:25756/domjudge/public>.

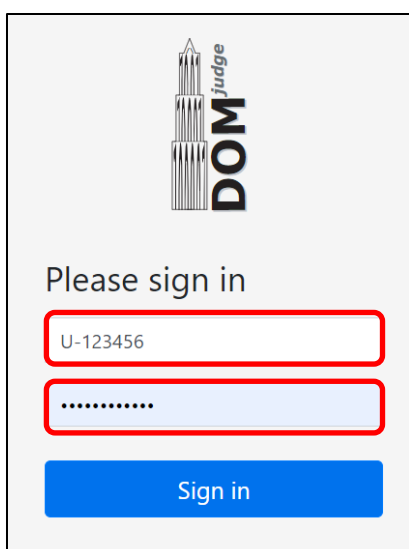
Remember to choose correct contest “DSaA25” (screenshot is from previous semester):



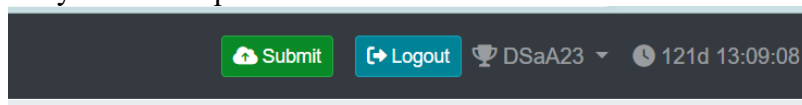
And then press the “Login” button:



For logging use the date from the pseudo-task from point 1:



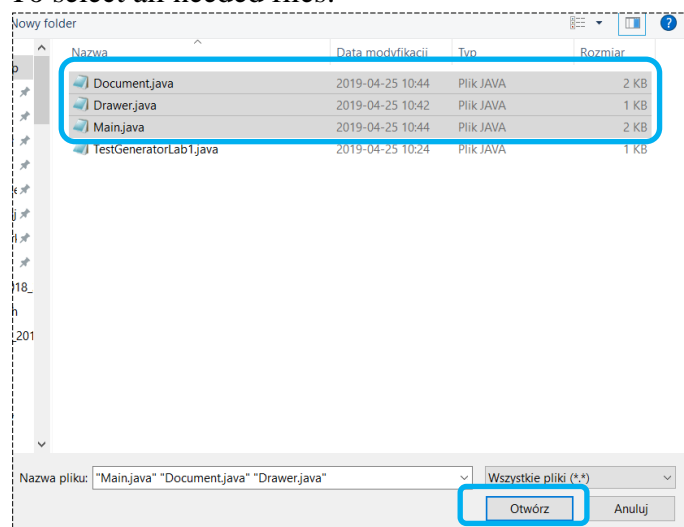
Now you can send your solution of a task list. For example if you want to send solution for task 1.1 you have to press a button “Submit”:



Then press “Browse” button:

A 'Submit' dialog box with a close button (X) in the top right. It contains three sections: 'Source files' with a text field '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 are 'Cancel' and 'Submit' buttons.

To select all needed files:



Select the problem and the language and press “Submit”:

The 'Submit' dialog box with 'Document.java, Drawer.java, Main.java' in the 'Source files' field. The 'Problem' dropdown is set to 'L01-PY - L01-PY' and the 'Language' dropdown is set to 'Java'. The 'Submit' button at the bottom right is highlighted.


```
...X...
...X...
..XXX..
...X...
..XXX..
.XXXXX.
...X...
..XXX..
.XXXXX.
XXXXXXX
```

2. Write a procedure `loadDocument(String name)` which will load and analyze lines after lines searching for link in every line. Link is a word (the words are separated by whitespace, i.e. the line "Ala m4%a kota&." consists of 3 words "Ala", "m4%a" and "kota&."). The link format is as follows: 5 characters "link=" after which there is a correct identifier. The correct identifier starts from letter (small or capital) followed by letters or digits or underline '_'. The procedure has to print for every line all correct identifiers in a separated line. Before printing, the identifiers have to be changed to small letters. The document ends with line with the text "eod", which means end of document.

For 100 points present solutions for this list till Week 2.

For 80 points present solutions for this list till Week 3.

For 50 points present solutions for this list till Week 4.

After Week 4 the list is closed.

The solution will be automated tested with tests from console of presented below format.

Program start with one line with a string "START".

If an input line starts from '#' sign or a line is empty, the line have to be ignored.

Else the input line have to be copied to output line with exclamation mark before first character. Then the proper operation have to be done.

If a line has a format:

`py n`

your program has to call `drawPyramid(n)`. You can assume that $1 \leq n \leq 20$.

If a line has a format:

`ct n`

your program has to call `drawChristmasTree(n)`. You can assume that $1 \leq n \leq 20$.

If a line has a format:

`ld docName`

your program has to call `loadDocument(String docName)`.

If a line has a format:

`ha`

your program has to end the execution, writing as the last line “END OF EXECUTION”. Every test ends with this line.

For example for a test file (a part in green frame is a “document”):

```
py 3
ct 3
ld qwert
nnothing is here
link=abc link=qWe link=asd
link= broken li nk=wrong link =not
link=ok123_23sd what is here link=12wRong asdad link=_what12
dfasfdfsdfsd
and now start LINK=$2323 LiNk=Ok
eod
ha
```

the output has to be:

```
START
!py 3
..X..
.XXX.
XXXXX
!ct 3
..X..
..X..
.XXX.
..X..
.XXX.
XXXXX
!ld qwert
abc
qwe
asd
ok123_23sd
ok
!ha
END OF EXECUTION
```