

Open Kattis

“A Kattis a day, keep the fail grades away”


Open Kattis

- For competitive programming contests
- For job interviews

- Let's start! Go to:

<https://open.kattis.com/>

Thousands of Problems with Different Difficulties















 **Kattis**
PROBLEMS CONTESTS RANKLISTS JOBS HELP

Search Kattis


Log in


Click "Problems"

Click "Difficulty" to sort

	SUBMISSIONS				USERS				
NAME	TOTAL	ACC.	RATIO	FASTEST	TOTAL	ACC.	RATIO	DIFFICULTY ^	
Hello World!	101294	57891	57%	0.00	44065	42176	96%	1.2	 
Spavanac	18906	10294	54%	0.00	9635	9290	96%	1.3	 
Solving for Carrots	29869	19067	64%	0.00	16810	16188	96%	1.3	 
Quality-Adjusted Life-Year	11915	7399	62%	0.00	6919	6703	97%	1.3	 
Quadrant Selection	29192	16939	58%	0.00	15197	14773	97%	1.3	 
Pot	17181	10404	61%	0.00	9543	9245	97%	1.3	 
Planina	11188	7109	64%	0.00	6625	6436	97%	1.3	 






















Various Languages

**Kattis**
PROBLEMS CONTESTS RANKLISTS JOBS HELP

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Tutorial


Start the tutorial by choosing which programming language you want to use.

 C	 C#	 C++	 COBOL	 F#
 Go	 Haskell	 Java	 Node.js	 SpiderMonkey
 Kotlin	 Common Lisp	 Objective-C	 OCaml	 Pascal
 PHP	 Prolog	 Python 2	 Python 3	 Ruby
 Rust				

How to Start?

- Go to open.kattis.com
 - Click “log in”
 - Choose your way to log in
-
- After login, you can click on the Cat and it will show you a dashboard

You can try some problems here

**Kattis**
PROBLEMS CONTESTS RANKLISTS JOBS HELP

Search Kattis

Submit

Cheng Ho Lun Alan
Score: 330.8, Rank: 1272

Suggested problems

DIFFICULTY [?]	PROBLEM	
TRIVIAL	Pet	1.3 pt
	Bela	1.3 pt
EASY	Ptice	1.5 pt
	Skocimis	1.5 pt
MEDIUM	So you want to be a 2^n -aire?	2.7 pt
	Happy Telephones	2.7 pt
HARD	Bridging Signals	5.4 pt
	Point in Polygon	5.4 pt

Ranklist

#	USER	SCORE [?]
1266	Lê Yên Thanh	332.0
1267	Jeremy Tuloup (+1 other)	331.8
1269	Travis Stebbins	331.7
1270	Tien Dat Tran	331.2
1271	Bruce Merry	331.0
1272	Cheng Ho Lun Alan (+2 others)	330.8
1275	Connor Billings	330.6
1276	Paulo Bu	330.5

Let's Solve a Problem!

Kattis

PROBLEMS CONTESTS RANKLISTS JOBS HELP

Search Kattis

Log in

Click "Problems"

Click "Difficulty" to sort it in ascending order (easiest to hardest)

RSS feed for new problems

	SUBMISSIONS				USERS				
NAME				FASTEST	TOTAL	ACC.	RATIO	DIFFICULTY ^	
Hello World!				0.00	44065	42176	96%	1.2	
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Planina	11188	7109	64%	0.00	6625	6436	97%	1.3	

Let's try to solve this problem "Hello World!"

Very Simple

**Kattis**
PROBLEMS CONTESTS RANKLISTS JOBS HELP

Search Kattis

Submit

Cheng Ho Lun Alan
Score: 330.8, Rank: 1272



Hello World!

Input

There is no input for this problem.

Output

Output should contain one line, containing the string "Hello World!".

Submit

Stats

My Submissions

Problem ID: hello

CPU Time limit: 5 seconds

Memory limit: 1024 MB

Difficulty: 1.2

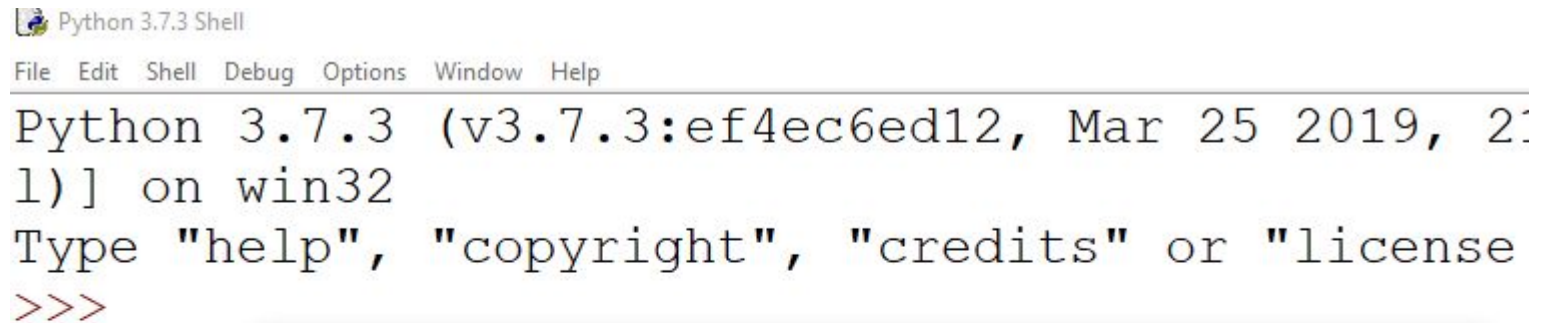
Source: [Kattis](#)

License:  PUBLIC DOMAIN

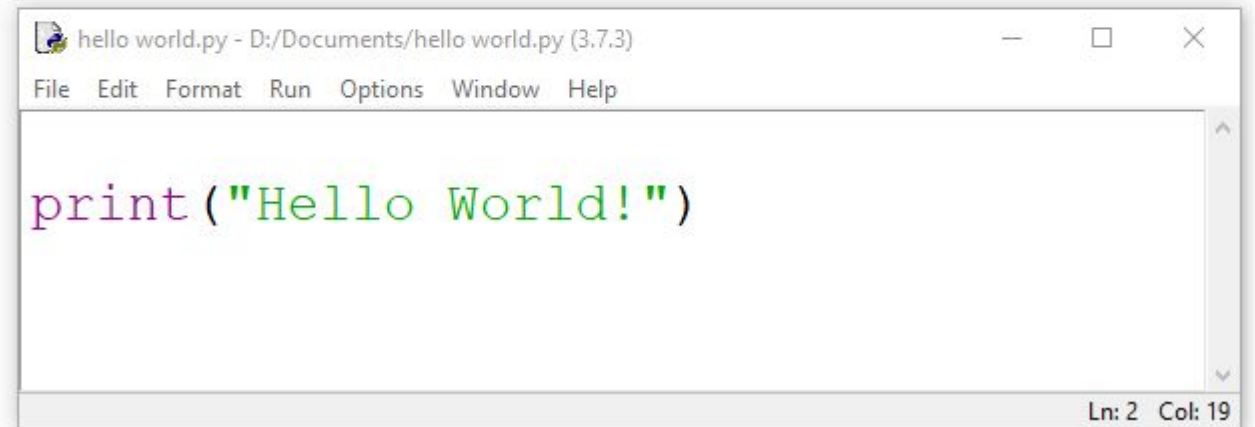
You will not have this one because you haven't solved it yet

Work Work Work!

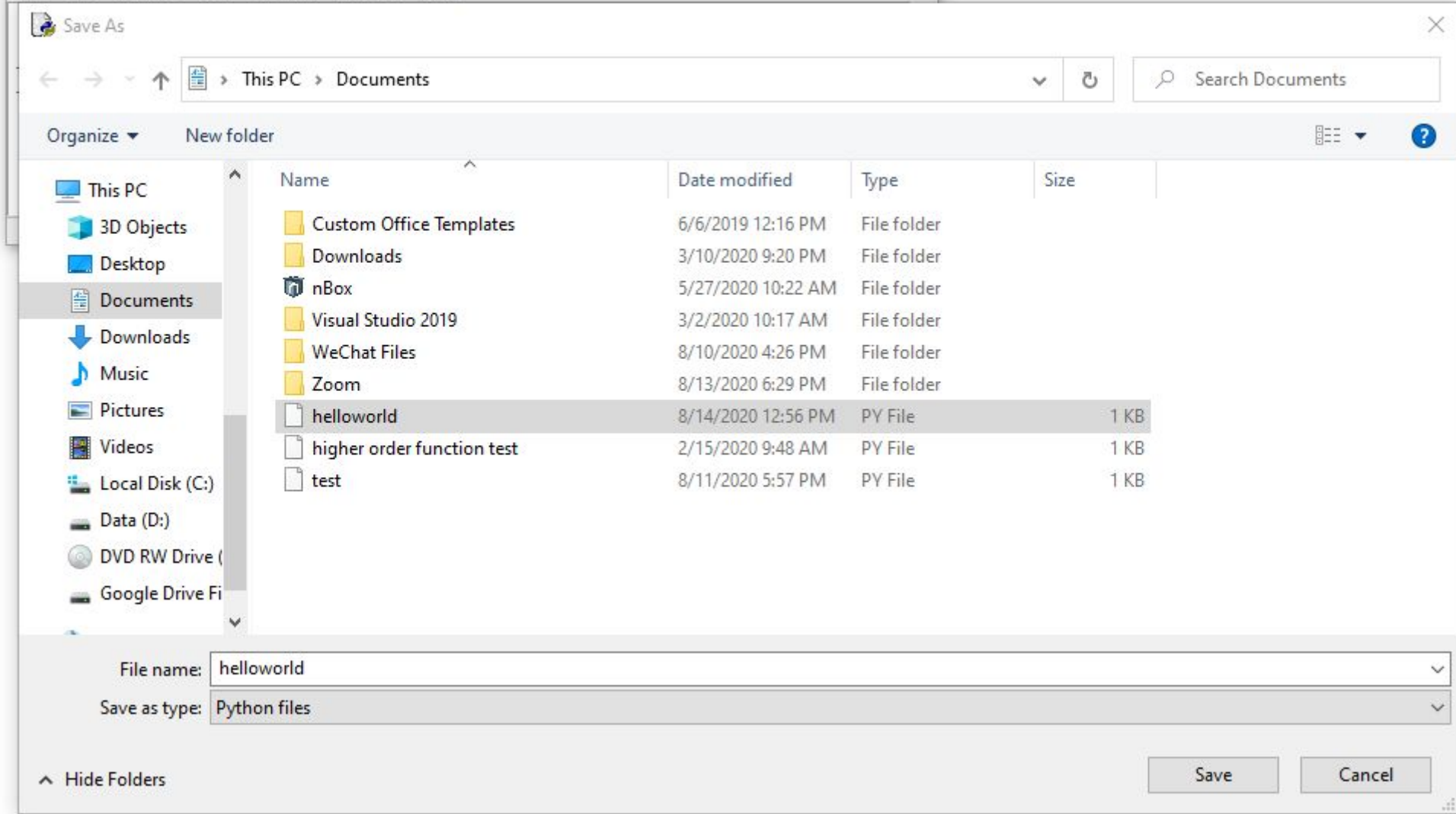
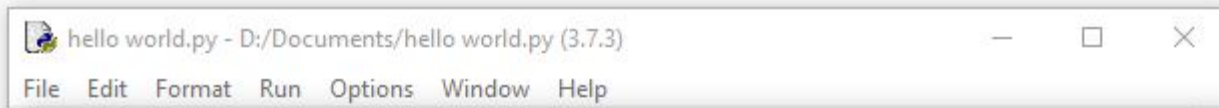
- Start your IDLE
- Create a .py file
- Write the instructions to print
- Save the file



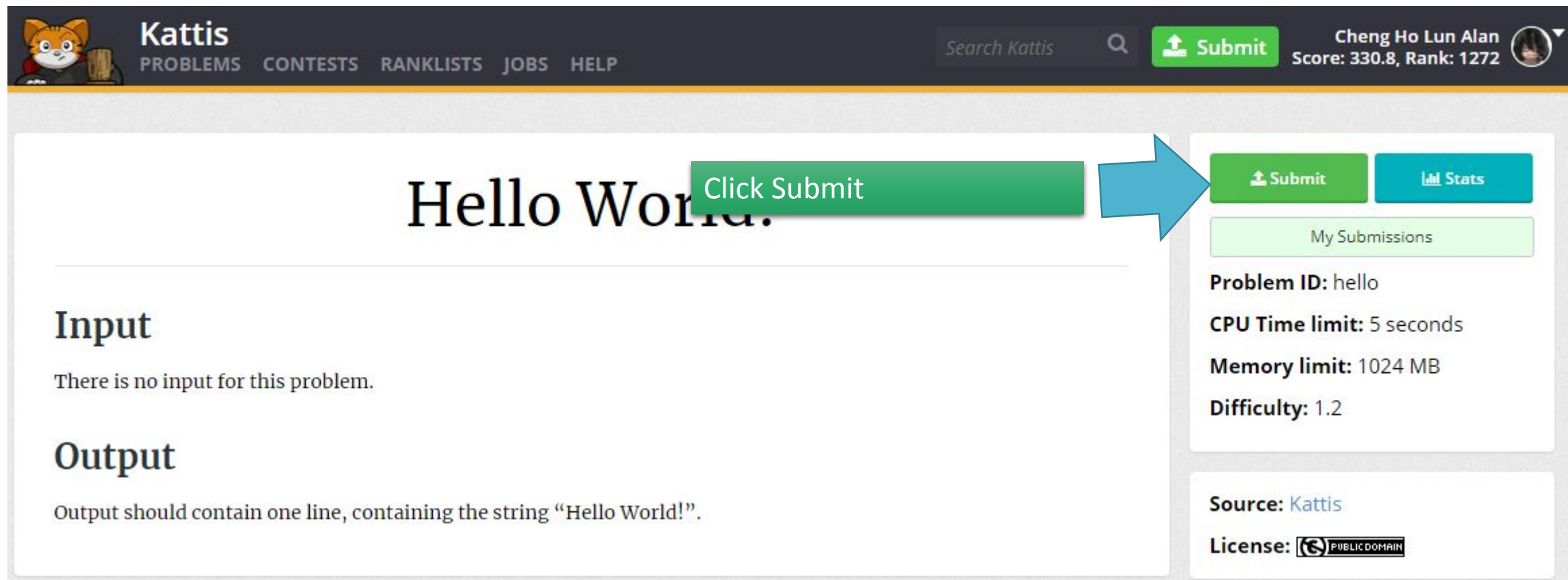
A screenshot of the Python 3.7.3 Shell window. The title bar reads "Python 3.7.3 Shell". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area displays the Python version and build information: "Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:11) on win32". Below this, it prompts the user: "Type 'help', 'copyright', 'credits' or 'license'". The prompt ">>>" is shown in red.



A screenshot of the IDLE editor window titled "hello world.py - D:/Documents/hello world.py (3.7.3)". The menu bar includes "File", "Edit", "Format", "Run", "Options", "Window", and "Help". The main text area contains the code: `print("Hello World!")`. The status bar at the bottom right shows "Ln: 2 Col: 19".



To Submit



The image shows the Kattis website interface for the 'Hello World' problem. The top navigation bar includes the Kattis logo, links for PROBLEMS, CONTESTS, RANKLISTS, JOBS, and HELP, a search bar, and a user profile for 'Cheng Ho Lun Alan' with a score of 330.8 and rank of 1272. The main content area displays the problem title 'Hello World.' and a green callout box with the text 'Click Submit' and a blue arrow pointing to the 'Submit' button in the right sidebar. The sidebar also contains a 'Stats' button, a 'My Submissions' link, and problem details: Problem ID: hello, CPU Time limit: 5 seconds, Memory limit: 1024 MB, and Difficulty: 1.2. The bottom section shows the source as 'Kattis' and the license as 'PUBLIC DOMAIN'.

Kattis
PROBLEMS CONTESTS RANKLISTS JOBS HELP

Search Kattis

Submit Cheng Ho Lun Alan
Score: 330.8, Rank: 1272

Hello World.

Click Submit

Input

There is no input for this problem.

Output

Output should contain one line, containing the string "Hello World!".

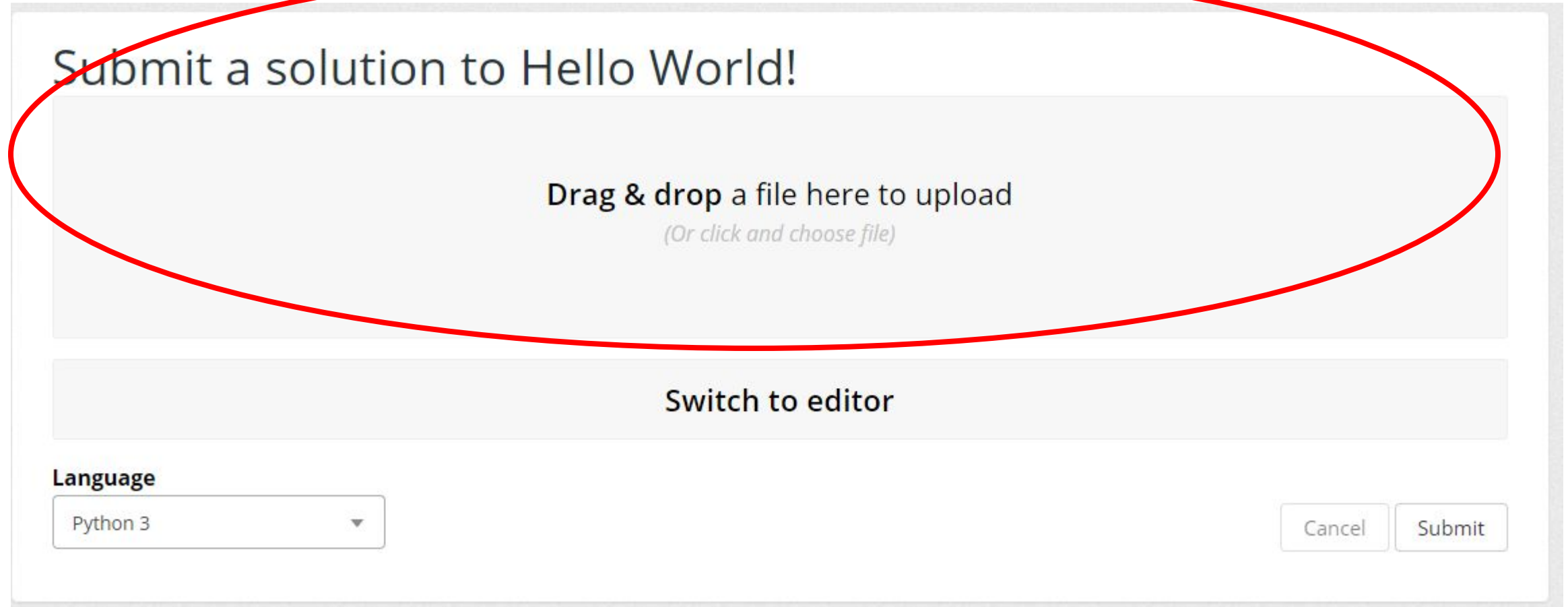
Submit Stats

My Submissions

Problem ID: hello
CPU Time limit: 5 seconds
Memory limit: 1024 MB
Difficulty: 1.2

Source: Kattis
License: PUBLIC DOMAIN

Many ways to submit



Submit a solution to Hello World!

Drag & drop a file here to upload
(Or click and choose file)

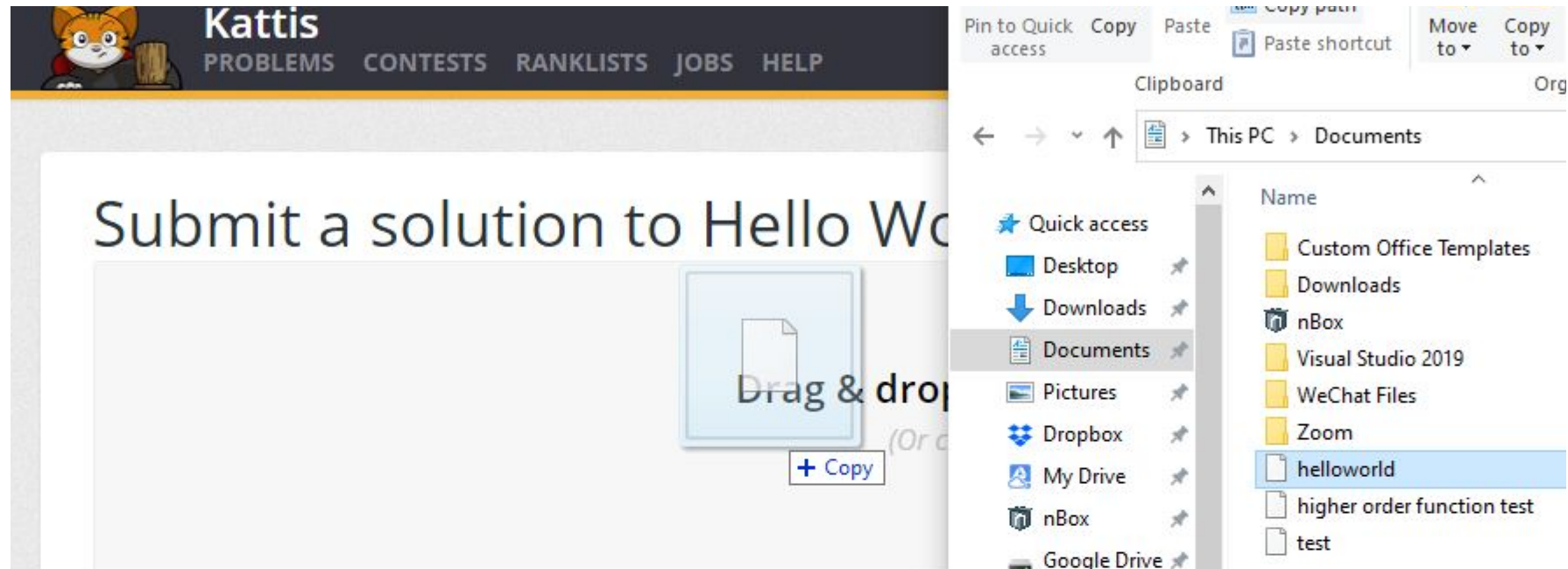
Switch to editor

Language

Python 3 ▼

Cancel Submit

Drop your file into the box



- There is more than one way to submit a file

Click “Submit”

Submit a solution to Hello World!

Your submission will include the following files:

- helloworld.py

Switch to editor

Language

Python 3 ▼

Cancel

Submit

Congratulations!

Submission

ID	DATE	PROBLEM	STATUS	CPU	LANG
	TEST CASES				
5945806	13:00:58	Hello World!	✓ Accepted	0.05 s	Python 3
	✓				

Sometimes...

- You may not get ALL the test cases right

Submission

[illegible]

- But for our course, getting at least one tick is good enough