

Problem Number: MME-PROB-01-01

Problem Title: Using Marmoset to Learn Coding C++

Doing this set of Marmoset problems will help you learn how to code and solve problems through coding. In this first problem, you will be introduced to the Marmoset system and will make your first submission.

The main steps in this first problem will be:

- Create a C++ program to output "Hello World!" to the console.
- Name the file hello_world.cpp.
- Submit your code to the Marmoset code testing server for evaluation and feedback.

CREATING CODE FILE

It does not matter which editor you use in order to create your code. Some common options include:

- Atom text editor along with command-line compilation
- Code::Blocks
- Eclipse IDE along with Cygwin

Using your editor, create your Hello World program. Here is a sample C++ Hello World program you can use for this problem.

```
#include <iostream>
using namespace std;
int main()
{
```

```
    cout << "Hello World!" << endl;  
    return 0;  
}
```

LOCAL TESTING

It is usually a good idea to test your code on your own computer before submitting it to Marmoset. Marmoset uses the g++ compiler, so it is recommended you use this compiler on your computer as well.

Compile and run your code on your own- computer to see if you get the expected results.

FILE NAMING

Marmoset requires a specific file name for each project you submit to. For this first project, the file name must be `hello_world.cpp`. The filename is case-sensitive.

ACCESSING MARMOSSET

To access the Marmoset system, point your web browser to <https://marmoset03.shoshin.uwaterloo.ca>. You will be required to sign in with your usual University of Waterloo credentials.

Once logged in, you should see a page showing the available projects for the course.

Instructor view of course ME 101 - Mozilla Firefox

Instructor view of course ME 101

https://marmoset03.shoshin.uwaterloo.ca/view/

Marmoset Submission and Testing Server

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LOGOUT

Instructor view of ME 101, Winter 2020:

Welcome David

Projects

Project	Overview	testing setup	# to test	# retesting	Visible	Due	Title
MME-PROB-10-04	view	active	0	0	true	31 Dec, 10:04 AM	coffee_rating
MME-PROB-10-03	view	active	0	0	true	31 Dec, 10:03 AM	filling_potholes
MME-PROB-10-02	view	active	0	0	true	31 Dec, 10:02 AM	transpose_matrix
MME-PROB-10-01	view	active	0	0	true	31 Dec, 10:01 AM	2D_print

SUBMITTING CODE

From the table of projects, click the 'submit' link for the desired project. For this project, the project number is MME-PROB-01-01 and the project title is hello_world.

ME 101 Submit Server - Mozilla Firefox

ME 101 Submit Server

https://marmoset03.shoshin.uwaterloo.ca/view/

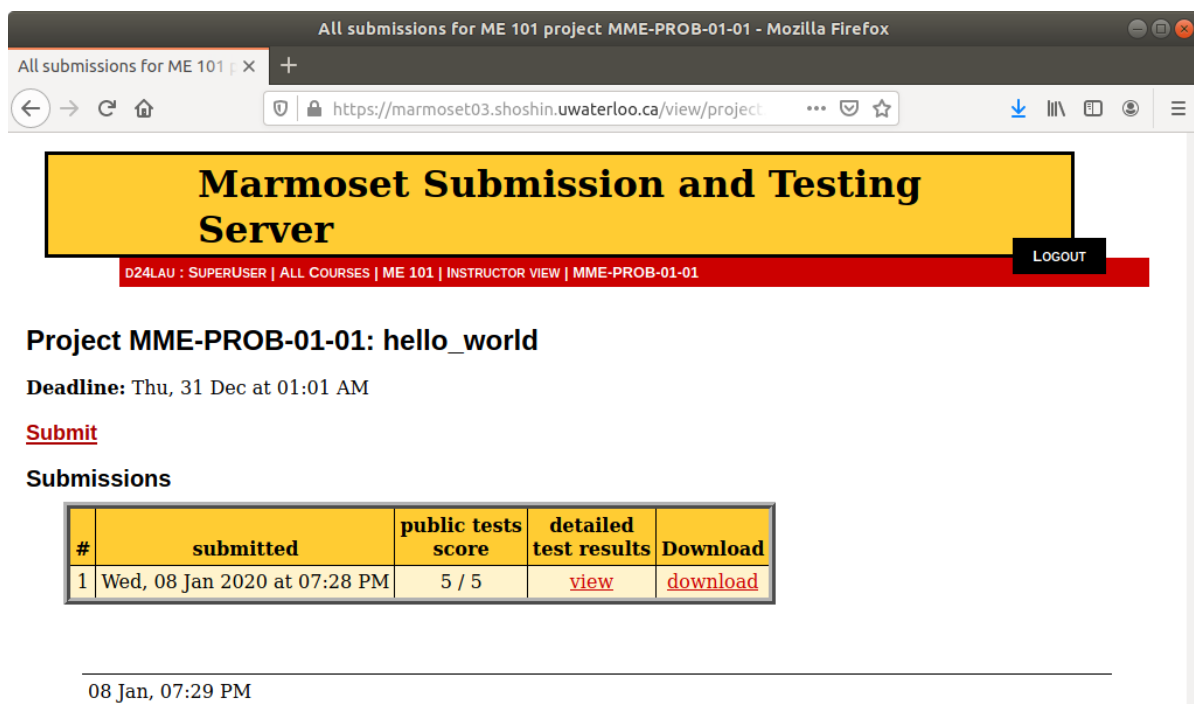
MME-PROB-05-03	view	submit	31 Dec, 05:03 AM	first_do_while
MME-PROB-05-02	view	submit	31 Dec, 05:02 AM	first_for_loop
MME-PROB-05-01	view	submit	31 Dec, 05:01 AM	first_while_loop
MME-PROB-04-03	view	submit	31 Dec, 04:03 AM	above_or_below
MME-PROB-04-02	view	submit	31 Dec, 04:02 AM	bigger_or_smaller
MME-PROB-04-01	view	submit	31 Dec, 04:01 AM	even_or_odd
MME-PROB-03-01	view	submit	31 Dec, 03:01 AM	numerical_notation
MME-PROB-02-06	view	submit	31 Dec, 02:06 AM	balance_1
MME-PROB-02-05	view	submit	31 Dec, 02:05 AM	binary_conversion
MME-PROB-02-04	view	submit	31 Dec, 02:04 AM	steel MSDS
MME-PROB-02-03	view	submit	31 Dec, 02:03 AM	time_of_flight
MME-PROB-02-03	view	submit	31 Dec, 02:03 AM	Time of Flight
MME-PROB-02-02	view	submit	31 Dec, 02:02 AM	sphere_calculations
MME-PROB-02-01	view	submit	31 Dec, 02:01 AM	read_and_print
MME-PROB-01-02	view	submit	31 Dec, 01:02 AM	missing_semi-colon
MME-PROB-01-01	view	submit	31 Dec, 01:01 AM	hello_world
do_not_use_MME-PROB-02-05	view	submit	31 Dec, 02:05 AM	do not use
do_not_use_MME-PROB-02-04	view	submit	31 Dec, 02:04 AM	do not use

Click the 'Choose File' button and then select your hello_world.cpp file. Click the 'Submit project!' button.

CHECKING RESULTS

Upon successful submission of your code, you will find your submission listed on the Submissions table. Your submission is put on the queue for the Marmoset server to test your code. It usually takes about 2 minutes for a small problem to be tested, and up to 10 minutes for a large problem to be tested.

When the submission is waiting in the test queue, it will show on the Submissions table as 'not tested yet'. Once it has been tested, the Submissions table will show a summary of the test results.



All submissions for ME 101 project MME-PROB-01-01 - Mozilla Firefox

All submissions for ME 101 | x +

https://marmoset03.shoshin.uwaterloo.ca/view/project

Marmoset Submission and Testing Server

LOGOUT

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Project MME-PROB-01-01: hello_world

Deadline: Thu, 31 Dec at 01:01 AM

[Submit](#)

Submissions

#	submitted	public tests score	detailed test results	Download
1	Wed, 08 Jan 2020 at 07:28 PM	5 / 5	view	download

08 Jan, 07:29 PM

By clicking on the provided link for detailed test results, you will be shown a page with more detailed information about each specific test that was run on your code.

Submission 1 for project MME-PROB-01-01 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Submission 1 for project MME-PROB-01-01 x +

https://marmoset03.shoshin.uwaterloo.ca/view/s/

Submission #1, submitted at Wed, 08 Jan at 07:28 PM

Test Results

Note: For test outcomes, failed means wrong and error means crashed.

type	test #	outcome	points	name	short result	long result
public	0	passed	1	filename.py	Test filename.py passed	passed - correct file name used: hello_world
public	1	passed	1	two_words_match.py	Test two_words_match.py passed	passed - has the words 'hello' and 'world'
public	2	passed	1	single_space.py	Test single_space.py passed	passed - one space in output
public	3	passed	1	case_sensitive.py	Test case_sensitive.py passed	passed - correct capitalization of letters
public	4	passed	1	exclamation.py	Test exclamation.py passed	passed - exclamation point at end of string

FURTHER ASSISTANCE

If you made a submission but don't seem to be getting the proper results, email David Lau at d24lau@uwaterloo.ca for further assistance.