C Fundamentals practice - hello world

[yourName] (pledged)

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Contents

1	READ README	1
2	TODO Identify yourself	2
3	TODO Syntax highlighting	2
4	TODO Fix the program	2
5	TODO Comment program	3
6	TODO Upload completed file to Canvas	4
1	READ README	
	• This file is a practice file for C fundamentals.	
	• You will learn how to:	
	 understand and change syntax highlighting understand and use comments in C 	
	• Time: approx. 15-30 min.	
	• When you're done with a section move the cursor on the section he ing and type S- <right> (or SHIFT+<right-arrow>).</right-arrow></right>	ad-

• When you've completed the file, upload it to Canvas

 When you leave class without having completed the file, save a copy to your GDrive as a backup and/or to work on it from home

2 TODO Identify yourself

- 1. replace [yourName] in the header of this file by your name
- 2. add (pledged) next to your name (as in "I obey the honor code")
- 3. Change the "TODO" in the headline to "DONE" (S-<right>)
- 4. save the file (C-x C-s).

3 TODO Syntax highlighting

- 1. Below, create a code block named pgm:hello with a program that prints "Hello, world!" on the screen: Use the <s template to create the code block.
- 2. Add the header arguments C and :results output to the code block.
- 3. Add the preprocessor directive (#include), the main function, and the code to print with printf.
- 4. Run the program in Emacs to make sure that it works (C-c C-c).
- 5. Open the Emacs themes chooser with M-x custom-themes. In the buffer, uncheck the current theme and check another. Then return here (C-x b) to see the effect on your hello world program.
- 6. If you like a theme especially well, you save it for future sessions if you like by clicking on Save Theme Settings. You get the message Custom theme saved for future sessions in the minibuffer.
- Put code block here —

4 TODO Fix the program

The program ?? below should print out the sentence "I love my cat 'Milly'". But it doesn't. Instead it prints:

I dog 'Milly'

Something went wrong with the comments. Fix the program and run it again.

5 TODO Comment program

Write short comments in the program ?? to explain what each part of the program does (guess if you don't know for sure) - comment at least whenever you see WRITE COMMENT HERE.

The program contains so-called *inline* comments // and *multi-line* comments: /* . . . */.

```
#include <stdio.h> // WRITE COMMENT HERE
int main (void) // WRITE COMMENT HERE
{
    /*
        WRITE COMMENT HERE */
    int i = 1;
    // WRITE COMMENT HERE
    printf("%d\n", i);
    return 0;
}
```

6 TODO Upload completed file to Canvas

- 1. Open the Class practice assignment on Canvas
- 2. Upload this Org-mode file
- 3. Submit assignment