

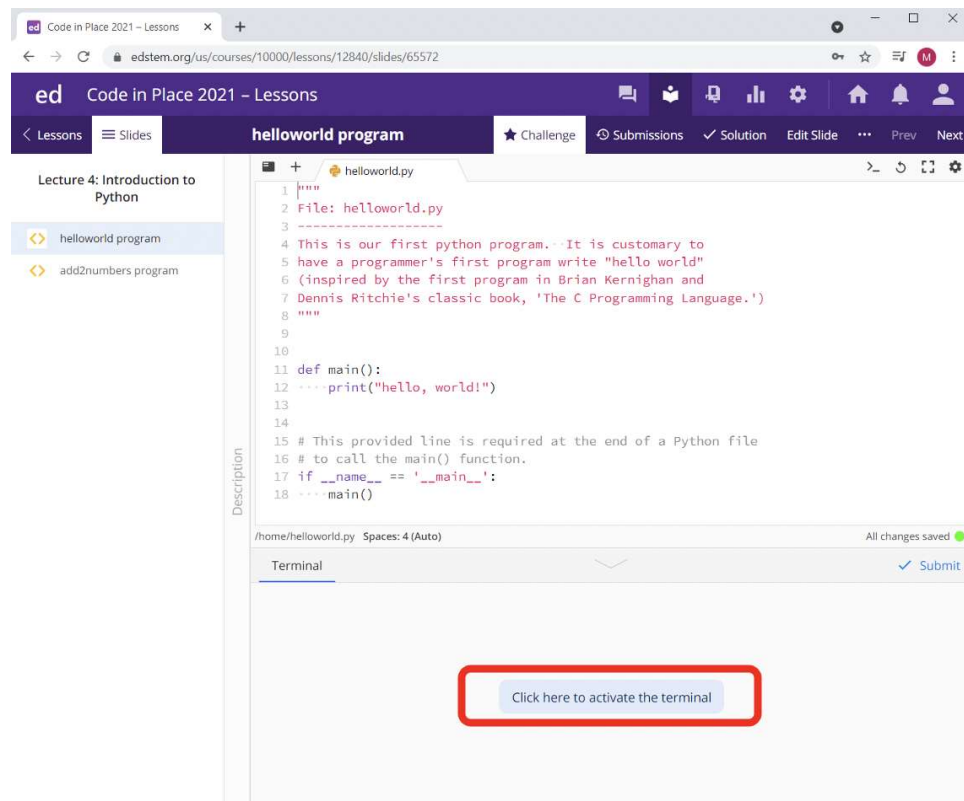
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You write your Python code in a text file with a name like `hello.py`. How does that code Run? There is program named "python", and its job is looking at and running your Python code. This type of program is called an "interpreter".

## Running code in the Ed Interpreter

Ed has a python interpreter. This allows it to run and execute your python code.

In Lecture 4, we wrote our first Python program: Hello World! To run our code, we need to first open the terminal on Ed. You can find the terminal underneath the code editor. To open the terminal, click the button that says [Click here to activate the terminal](#).



Now that we've activated our terminal, we are ready to run our program! To run your program, type into the terminal: `python filename.py`

So, if we wanted to run our Hello World program, we would type: `python helloworld.py`

This tells our interpreter: use python to run our file named `helloworld.py`

# Python Reader

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The screenshot shows the Code in Place 2021 web interface. The browser address bar shows the URL: `edstem.org/us/courses/10000/lessons/12840/slides/65572`. The page title is "Code in Place 2021 - Lessons". The main content area is titled "helloworld program" and contains a Python script. The script is as follows:

```
1 """
2 File: helloworld.py
3 -----
4 This is our first python program. It is customary to
5 have a programmer's first program write "hello world"
6 (inspired by the first program in Brian Kernighan and
7 Dennis Ritchie's classic book, 'The C Programming Language.')
8 """
9
10
11 def main():
12     print("hello, world!")
13
14
15 # This provided line is required at the end of a Python file
16 # to call the main() function.
17 if __name__ == '__main__':
18     main()
```

Below the code editor is a terminal window. The terminal shows the command `python helloworld.py` being executed, and the output is `hello, world!`. The terminal also shows the prompt `[user@sahara ~]$` and a `Reset` button.

Voila! After we type `python helloworld.py` into our terminal and hit Enter, we see that the interpreter has printed out "Hello World", exactly what we wanted. Great work!

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