CS50’s Introduction to Programming with Python

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Playback Speed

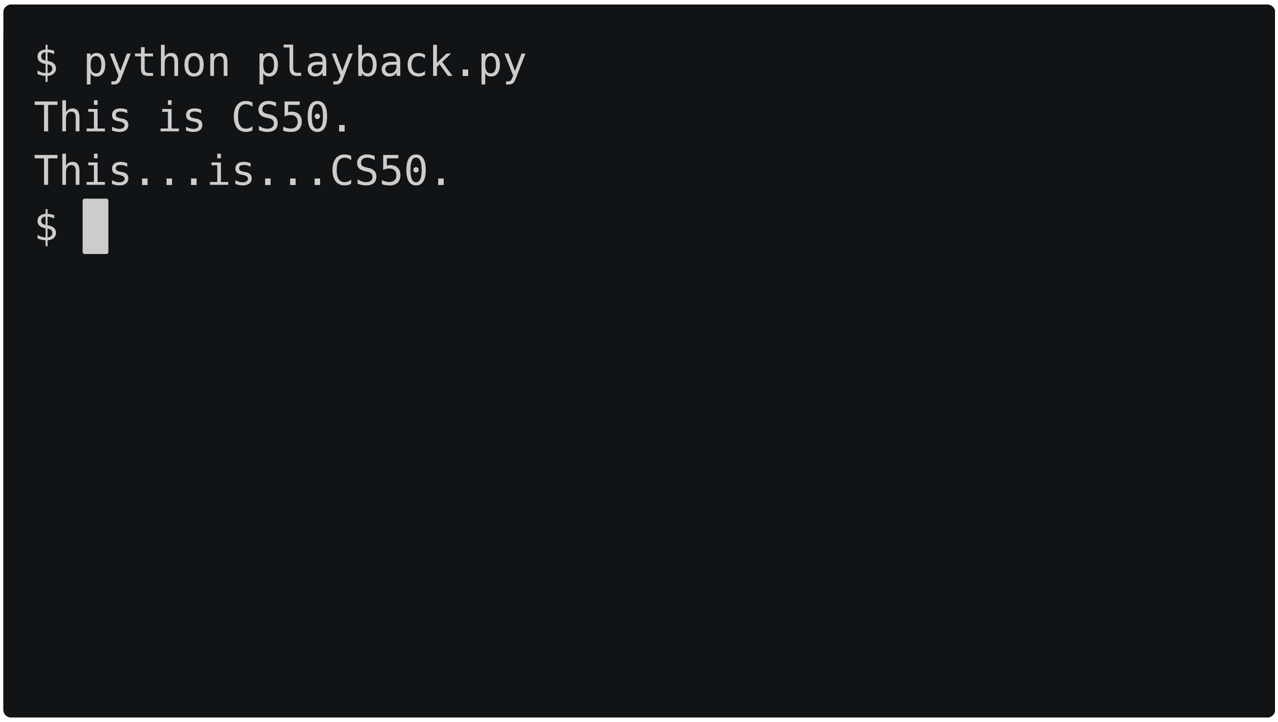
Some people have a habit of ~~lecturing~~ speaking rather quickly, and it’d be nice to slow them down, a la YouTube’s 0.75 playback speed, or even by having them pause between words.

In a file called `playback.py`, implement a program in Python that prompts the user for input and then outputs that same input, replacing each space with `...` (i.e., three periods).

▼ **Hints**

- Recall that `input` returns a `str`, per docs.python.org/3/library/functions.html#input (https://docs.python.org/3/library/functions.html#input).
- Recall that a `str` comes with quite a few methods, per docs.python.org/3/library/stdtypes.html#string-methods (https://docs.python.org/3/library/stdtypes.html#string-methods).

Demo



```
$ python playback.py
This is CS50.
This...is...CS50.
$ 
```

Recorded with asciinema

Before You Begin

Log into code.cs50.io (https://code.cs50.io/), click on your terminal window, and execute `cd` by itself. You should find that your terminal window's prompt resembles the below:

```
$
```

Next execute

```
mkdir playback
```

to make a folder called `playback` into your codespace.

Then execute

```
cd playback
```

to change directories into that folder. You should now see your terminal prompt as `playback/ $`. You can now execute

```
code playback.py
```

to make a file called `playback.py` where you'll write your program.

How to Test

Here’s how to test your code manually:

- Run your program with `python playback.py`. Type `This is CS50` and press Enter. Your program should output:

  ```
  This...is...CS50
  ```

- Run your program with `python playback.py`. Type `This is our week on functions` and press Enter. Your program should output:

  ```
  This...is...our...week...on...functions
  ```

- Run your program with `python playback.py`. Type `Let's implement a function called hello` and press Enter. Your program should output

  ```
  Let's...implement...a...function...called...hello
  ```

You can execute the below to check your code using `check50`, a program that CS50 will use to test your code when you submit. But be sure to test it yourself as well!

```
check50 cs50/problems/2022/python/playback
```

Green smilies mean your program has passed a test! Red frownies will indicate your program output something unexpected. Visit the URL that `check50` outputs to see the input `check50` handed to your program, what output it expected, and what output your program actually gave.

How to Submit

In your terminal, execute the below to submit your work.

```
submit50 cs50/problems/2022/python/playback
```