**LEARN PYTHON: FILES**

**Reading a File**

Computers use file systems to store and retrieve data. Each [file](https://www.codecademy.com/resources/docs/python/files?page_ref=catalog) is an individual container of related information. If you’ve ever saved a document, downloaded a song, or even sent an email you’ve created a file on some computer somewhere. Even **script.py**, the Python program you’re editing in the learning environment, is a file.

So, how do we interact with files using Python? We’re going to learn how to read and write different kinds of files using code. Let’s say we had a file called **real\_cool\_document.txt** with these contents:

**real\_cool\_document.txt**

Wowsers!

We could read that file like this:

**script.py**

with open('real\_cool\_document.txt') as cool\_doc:  
  cool\_contents = cool\_doc.read()  
print(cool\_contents)

This opens a file object called cool\_doc and creates a new indented block where you can read the contents of the opened file. We then read the contents of the file cool\_doc using cool\_doc.read() and save the resulting string into the variable cool\_contents. Then we print cool\_contents, which outputs the statement Wowsers!.

**Instructions**

**1.**

Use with to open the file **welcome.txt**. Save the file object as text\_file.

Checkpoint 2 Passed

Hint

Use this syntax to open a file:

with open('filename.txt') as file\_object:  
  # indented block here

**2.**

Read the contents of text\_file and save the results in text\_data.

Checkpoint 3 Passed

Hint

Use this syntax on a file object to read the contents of the file into a variable:

file\_string = file\_object.read()

**3.**

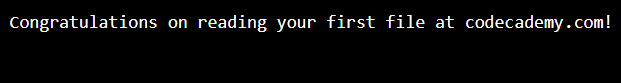
Print out text\_data.

**script.py**

with open('welcome.txt') as text\_file:

  text\_data = text\_file.read()

print(text\_data)

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