

Unable to load file

Try to load it again or [send an error report](#).

Reload

Something went wrong. [Reload](#).

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Caroline McNichols

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Process for File Reading

1. Open the file
2. Read the file
3. Do stuff with the data
4. Close the file

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Opening the file

Method:
`f = open(filename)` # Opens a file where filename is a string

Notes about opening a file:

- Make sure the file is in the same directory
- Store the file as a variable
- Make sure filename is a string

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Ways to Read a File

Method	Returns data as...	Of the form...	Use when...
<code>f.read()</code>	string	One big string of the full file	When you don't need to go line by line
<code>f.readline()</code>	string	The first line in the file	You want to remove the header from a file or only need the first line
<code>f.readlines()</code>	list	A list containing every line in the file	You need the reading your file more complicated
for line in f:	string	Line is assigned to each line in the file until it reaches the end (like using <code>__next__()</code> until end of the file)	Almost always the most convenient

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What do you do with your data?

Method	Returns a	Description	Example:
<code>str.strip()</code>	string	Removes all leading and trailing of a certain character to be assigned. Return: Returns to string without the character given	Removes weird blank lines at the end of files
<code>str.split()</code>	list	Splits string into a list based on a delimiter. Default is splitting on whitespace if no argument given	Turns user data into a list by splitting on a comma

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Closing the file

Dealing with files can get complicated. As a rule of thumb use:
`f.close()`

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