#### **Getting started with files**

Spoken Tutorial Project

http://spoken-tutorial.org

National Mission on Education through ICT

http://sakshat.ac.in

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At the end of this tutorial, you will be able to -

Open a file.





- Open a file.
- Read the contents of the file line by line.





- Open a file.
- Read the contents of the file line by line.
- Read the entire content of file at once.





- Open a file.
- Read the contents of the file line by line.
- Read the entire content of file at once.
- Append the lines of a file to a list.



- Open a file.
- Read the contents of the file line by line.
- Read the entire content of file at once.
- Append the lines of a file to a list.Close the file.





▶ Ubuntu Linux 14.04





- ▶ Ubuntu Linux 14.04
- Python 2.7.6





- Ubuntu Linux 14.04
- Python 2.7.6
- ▶ IPython 4.0.0





## Pre-requisite

To practice this tutorial, you should know how to -





## Pre-requisite

To practice this tutorial, you should know how to -

use Lists





# Pre-requisite

To practice this tutorial, you should know how to -

- use Lists
- use for statement

If not, see the pre-requisite Python tutorials on <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>





#### Exercise 1

Split the variable pend into a list of the lines in the file. Store this list in a variable, say pend\_list





#### Exercise 2

Re-open the file pendulum.txt with f as the file object.





In this tutorial, we have learnt to -





In this tutorial, we have learnt to -

 Open and close files using the open and close methods respectively.





In this tutorial, we have learnt to -

- Open and close files using the open and close methods respectively.
- Read the data in the files as a whole, by using the read method.





Read the data in the files line by line by iterating over the file object using the for loop.





- Read the data in the files line by line by iterating over the file object using the for loop.
- Append the lines of a file to a list using the append function within the for loop.





#### Assignment

#### 1. The open function returns a

- string
- list
- file object
- function





## Assignment

- 2. What does the function splitlines() do.
  - Displays the data as strings, all in a line
  - Displays the data line by line as strings
  - Displays the data line by line but not as strings





#### Solutions

- 1. open function returns a file object
- splitlines() displays the data line by line as strings





# Forum to answer questions

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- Choose the minute and second where you have the question.
- Explain your question briefly.
- Someone from the FOSSEE team will answer them. Please visit





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- We give honorarium and certificate to those who do this

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- More information on this Mission is available at:

http://spoken-tutorial.



org/NMEICT-Intro



#### **THANK YOU!**

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