

File Management

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

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29 June 2024



Learning Objectives

In this tutorial we will learn



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In this tutorial we will learn

- How to manage files using Python



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- How to manage files using Python
- List the type of files in a directory



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- How to manage files using Python
- List the type of files in a directory
- **Error and exception handling**



System Requirements

To record this tutorial, I am using



System Requirements

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- **Ubuntu Linux OS 22.04**



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- Ubuntu Linux OS 22.04
- Python 3.12.3



Pre-requisites

- You must have basic knowledge of using Linux Terminal and Python



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- For pre-requisite Linux and Python Tutorials, please visit <https://www.spoken-tutorial.org/>



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- Python libraries required for automation must be installed



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Code files

- The files used in this tutorial are provided in the Code files link



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- The files used in this tutorial are provided in the Code files link
- Please download and extract the files



Code files

- The files used in this tutorial are provided in the Code files link
- Please download and extract the files
- Make a copy and then use them while practicing



File Management

File management in automation is crucial:

- **For seamless organization of files**



File Management

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- **For seamless organization of files**
- **To ensure efficient storage and retrieval**



File Management

File management in automation is crucial:

- **For seamless organization of files**
- **To ensure efficient storage and retrieval**
- **To facilitate smooth automated workflows**



Libraries used

- **shutil** : It offers high-level operations on files and collections of files



Libraries used

- **shutil** : It offers high-level operations on files and collections of files
- **os** : It provides functions for interacting with the operating system



Summary

In this tutorial, we have learnt about

- How to manage files using Python
- List the type of files in a directory
- Error and exception handling



Assignment

- Organize files based on extension
- Print the number of directories created
- Print the number of files in each directory



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Answers for THIS spoken tutorial

- Questions in THIS Spoken Tutorial
- Visit <https://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- The Spoken Tutorial project will ensure an answer
- You will have to register to ask questions



FOSSEE Forum

- For any general or technical questions on Python for Automation, visit the FOSSEE forum and post your question <https://forums.fossee.in/>



Acknowledgement

- The Spoken Tutorial project was established by Ministry of Education, Govt. of India



Thank you

- **This is Dhaarani Pushpam S, a FOSSEE Semester Long Intern 2024, IIT Bombay**

