

# File Backup and Compression

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

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# Learning Objectives

**In this tutorial we will learn to**



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In this tutorial we will learn to

- **Automate File backup using Python**



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- Schedule the backup process to run at a fixed time every day



# System Requirements

**To record this tutorial, I am using**



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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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- 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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- Please download and extract the files



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- Make a copy and then use them while practicing



# Summary

In this tutorial, we have learnt to

- Automate File backup using Python
- Compress backups in various formats (zip, tar.gz, tar.bz2)
- Schedule the backup process to run at a fixed time every day



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# Assignment

- **Change the compression format to tar.gz in run\_backup.py file**
- **In the crontab editor, change the schedule to once a week.**





# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](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



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# 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 Jasmine Tresa Jose, a FOSSEE Semester Long Intern 2024, IIT Bombay**

