

Pythonize Everything! Cepheus '21

PYTHONIZE EVERYTHING!

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Topic : Automate with
Python

Live coding with
explanation

Learn to automate daily
tasks with python

Illustrations of amazing real
world applications of python

Get further resources after
the event

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Brief overview

- Whatsapp Message and Attachment Sender
- Auto Backup
- Automatic Unwanted Email Deleter
- Demonstrations of some more useful scripts

Whatsapp Message and Attachment Sender

Requirements

- Python 3.5 or above
- The browser driver of your favourite browser - here we install chromedriver
- Selenium package
 - `pip3 install selenium`

Functionality

- Automates sending text messages and attachments to a list of individual contacts and WhatsApp groups
- Can be used to send generic messages to people on festivals, etc.
- Or if you are one of those annoying people, who send “Good Morning” to 10 other people everyday, we have something good for you
- Lots of other uses can be thought of...
- Let's have a look at the demo
- That's all! Let's dive into the code itself!

Auto Backup

Requirements

- Python 3.5 or above
- Python libraries:
 - Argparse
 - Os
 - Shutil
 - Gzip
- Instructions to install:
 - `pip3 install library_name`

Functionality

- Automatically takes the backup of your source folder and stores it in the target folder
- Has the option to compress the file
- Checks for changes in the previous versions of the file and updates the target folder
- Future aspects:
 - Program can be set to run at a certain time or
 - After a certain event
 - Can be linked to remote storage to secure the backup on cloud

Automated Unwanted Email Deleter

Requirements

- Python 3.5 and above
- Python Libraries
 - impalib
 - email
- Installation
 - `pip3 install library_name`

Functionality

- Automates deleting emails of specific types from your mailbox
 - Emails by particular email-ids
 - Emails before/after a certain date
 - Emails with a certain subject
 - Etc.
- Can be used to delete notification emails from social media like FB, Instagram, Quora, Reddit.
- Or to delete those annoying promotion mails!
- That's all! Let's dive into the code itself!