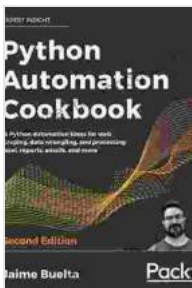


# 75 Python Automation Ideas: Web Scraping, Data Wrangling, and Excel Processing

Python is a versatile and powerful programming language that can be used for a wide range of tasks, including web scraping, data wrangling, and Excel processing. In this article, we will explore 75 Python automation ideas that can help you streamline your workflow and improve your efficiency.

## Web Scraping

Web scraping is the process of extracting data from websites. It can be used to gather information for research, marketing, or other purposes. Here are some Python automation ideas for web scraping:



### Python Automation Cookbook: 75 Python automation ideas for web scraping, data wrangling, and processing Excel, reports, emails, and more, 2nd Edition

by Jaime Buelta

★★★★☆ 4.5 out of 5

Language : English  
File size : 14717 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 528 pages



1. Scrape product data from e-commerce websites

2. Extract news articles from online news portals
3. Gather social media data from platforms like Twitter and Facebook
4. Scrape financial data from websites like Yahoo Finance and Google Finance
5. Automate the download of images and videos from websites

## **Data Wrangling**

Data wrangling is the process of cleaning and preparing data for analysis. It involves tasks such as removing duplicate data, correcting errors, and converting data into a consistent format. Here are some Python automation ideas for data wrangling:

1. Remove duplicate rows from a dataset
2. Correct spelling errors in a column of data
3. Convert dates from one format to another
4. Merge two or more datasets
5. Split a column of data into multiple columns

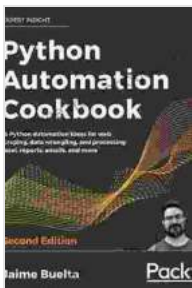
## **Excel Processing**

Excel is a powerful spreadsheet application that is used for a wide range of tasks, such as data analysis, financial modeling, and budgeting. Here are some Python automation ideas for Excel processing:

1. Open an Excel workbook
2. Create a new worksheet

3. Insert data into a cell
4. Format a cell
5. Create a chart

These are just a few of the many Python automation ideas that you can use to streamline your workflow and improve your efficiency. By automating repetitive tasks, you can free up your time to focus on more creative and strategic work.



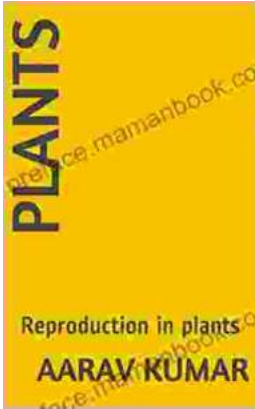
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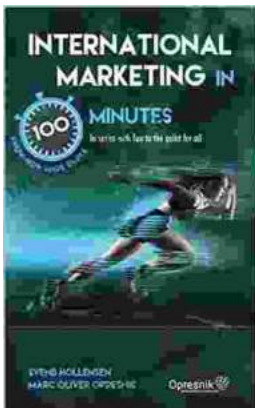
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