



CERTIFICATE

OF COMPLETION

Hashtag Treinamentos certifies that **Leandro Ribeiro Paolucci** has completed the **181- hours** Online Course **Python Impressionador** on 12/25/22.

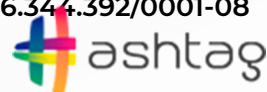
Leandro Paolucci

ONLINE COURSE PYTHON IMPRESSIONADOR

Verification ID:
PYTLEA1672022141

Certificate issued on
12/26/22 às 19:24:26.

Presented by:
Employer Number:
26.344.392/0001-08



COURSE MODULES

1. Introduction (Watch it before starting)
2. Installation
3. (Optional) Programming Logic - Never programmed Start here
4. Your first Python programs
5. More on Variables
6. If - Conditions in Python
7. Strings - Texts and their importance in Python
8. Python Lists - Methods and Uses
9. For - Repetition Structure
10. While and Creating an Infinite Loop
11. Tuples - A very useful and immutable "list";
12. Python Dictionaries
13. Iterables
14. Creating your functions in Python
15. Modules, Libraries and Introduction to Object Orientation
16. Exercises and What remains to be learned now?

17. List Comprehension
18. Functions used as parameter and Lambda Expressions
19. Data Analysis with Pandas + Python and Excel Integration
20. How to read documentation
21. Python Integration with txt and PDF files
22. Python Integration - Computer Files and Folders
23. Python Integration - Email
24. Python Integration - SQL
25. Python Integration - Web Automation (Web-Scraping with Selenium)
26. Python integration with APIs and JSON
27. Python Integration for Finance
28. Virtual Environments (Important for the next Modules)
29. Python integration with ArcGIS
30. Python and Dashboards - Dash + Python and Power BI
31. Turning Python into exe
32. Project 1 - Process Automations - Labor Market Application
33. Project 2 - Web Automation - Job Market Application
34. Project 3 - Data Science - Labor Market Application
35. Complete Object Orientation - Classes and Methods

- 36. Project 4 - Building a Complete Website from Scratch with Flask
- 37. Graphical Interface - Tkinter and Creating Systems with Python
- 38. Python Intensivo (1st edition - Classes Different from the Current Intensivo)
- 39. Game Creation
- 40. Python Week (Event we did before the Python Intensivo - Similar Content)
- 41. Mobile App Creation with Kivy
- 42. GitHub for Project Organization
- 43. Python Intensivo (Current Version)
- 44. Website Creation with Django - Creating a copy of Netflix
- 45. Other auxiliary tools
- 46. RPA with Python - Process Automation
- 47. Front-end Auxiliary Classes
- 48. Introduction to Image and Speech Recognition