



PYTHON SELENIUM

FOR BEGINNERS

Python & Selenium for beginners

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INSTALLATIONS & LAB SETUP

- Installing python 3.x
- Environment setup
- Getting started with IDLE
- Using Jupyter notebook

2

INTRODUCTION TO PYTHON

- Python key features
- Python syntax
- Getting started with python programming

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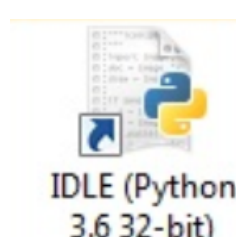
VARIABLES, OPERATORS AND BASIC INPUT/OUTPUT

- Use of variables in programming
- Arithmetic operators in python
- Relational operators in python
- *input()* and *print()* functions
- Type casting and *eval()* function

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LEARNING CHECKPOINT 1

- Python syntax quiz
- Commonly found errors in python
- Python programming on mathematical formulas



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NUMBERS AND STRINGS

- Python primitive types
- *int, float and complex*
- Random numbers
- String attributes
- String formatting
- Indexing and slicing

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CONTROL FLOW STATEMENTS

- *if-elif-else* conditions
- *for* loop
- *while* loop
- *break, continue* and *for-else*

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LIST AND TUPLES

- Mutable and immutable sequences
- List attributes
- Tuple attributes
- List comprehension

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INTRODUCTION TO SELENIUM

- Installing Selenium
- Setting up the web driver
- IDE, HTML & locators
- Introduction to basic commands

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WEB DRIVER COMMANDS

- *Web driver navigational commands*
- *Web driver conditional commands*
- *Navigating & refreshing page*
- *Closing the browser*

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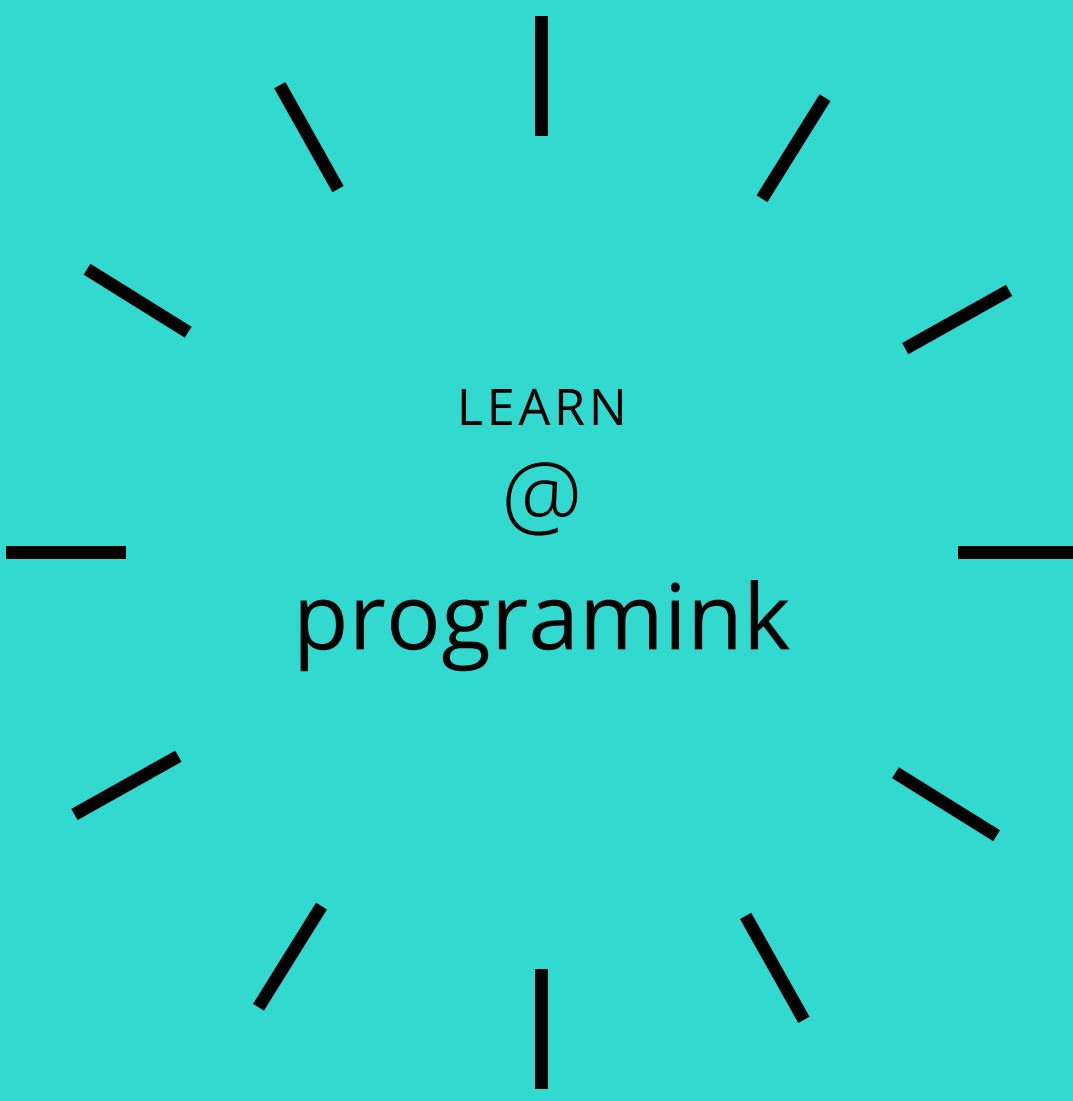
WORKING WITH WEB PAGE ELEMENTS

- Working with input box/text box
- Radio buttons & check boxes
- Tuple attributes
- Links, alerts & popups
- Drop downs
- Handling mouse action

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PROJECT WORK

- A Web scraping project with Python, Selenium and BeautifulSoup



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