



детальніше про курс

Курс QA Automation — Python Online

ADVANCED LEVEL

🕒 32 заняття 📅 2 заняття на тиждень

ВИВЧАЄМО ТАКІ ТЕХНОЛОГІЇ



Jenkins



Selenium



Rest



Git



Python



Continuous Integration

ПРОГРАМА КУРСУ

1. Introduction to Python Automation

- Basics Logical, Arithmetical, and String operations
- Regular expressions
- Tuple
- List
- Deque
- Python Sets
- Python Dictionaries
- If else statement
- For loop
- While loop

2. Python Files

- Python Files
 - File delete, move, and copy operation
 - OS module basics
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3. Basics of Python Functions

- Syntax of Function
 - Default
 - Arbitrary
 - Keyword arguments
 - Lambda functions
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4. Python built-in functions

5. Generators and iterators basics

6. Python Modules and Package. PIP tool

- Module basics
 - Import instructions
 - Python packages
 - 3dparty packages
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7. Python Exceptions, Time module

8. Object Oriented Programming

- Class and object definitions
 - Object creation via class
 - Class and object attributes
 - Polymorphism
 - Encapsulation
 - Super method
 - Staticmethod and classmethod decorators
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9. Automation: Pytest framework

10. Automation: Selenium, Elements, Locators, Xpath, Waits

- Navigations with Selenium Web elements CSS locators
 - Click and sendKeys methods
 - Selenium Implicit and Explicit waits
 - Page Objects pattern
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11. Design Patterns

- Singleton

- Factory method
 - Abstract factory
 - Decorator
 - Proxy
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12. Automation: Parsers

- Command Line arguments parsing with argparse
 - Data Serialization with JSON
 - Data Serialization with YAML
 - XML parser and DOM structure
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13. Automation: Rest API testing

- What is Rest API and how to test it
 - Practice writing tests
 - Mocking remote objects
 - How to test REST API with pytest
 - Practice writing tests with Postman tool
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14. Automation: Test Report creation

- How to create a test report with pytest-HTML
 - Allure reports
 - Saving report into SQLite DB
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15. Parallel run

- Threading module
 - Creation, start, stop, and join methods of thread
 - Threads problem
 - GIL and Sharable memory. Basic sync objects
 - Subprocess module
 - OS module for an additional process start
 - Multiprocessing module
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16. CI, Jenkins

- What is CI
- Jenkins basics
- Jenkins plugins

- First Jenkins job
 - What are Jenkins triggers
 - Git basics for Jenkins's integration
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БОНУСИ КУРСУ



Всі Студенти цього курсу можуть відвідувати заняття з англійської мови



Тестова співбесіда з технічним фахівцем



Всі студенти курсу пройдуть тренінг по проходженню співбесіди та складанню резюме з нашим HR-фахівцем