TESTING ESSENTIALS WITH PYTHON Course (PFT)

This intermediate-level course introduces the topic of automated software testing from the perspective of a Python programmer.

مروری بر دوره

This intermediate-level course introduces the topic of automated software testing from the perspective of a Python programmer. The course covers such topic areas as software testing theory and terminology, the test pyramid, code coverage, test automation, code refactoring, assertions, context managers, decorators, e2e tests, integration tests, unit tests, test documentation, as well as introduces the concepts of test-driven (TDD) and behavior-driven (BDD) development approaches. The course focuses on practical elements to help you make your code as good as possible, and show you why and how testing can be your ally in your everyday routine.

آنچه خواهید آموخت

Having completed the course, you will be prepared to attempt the qualification PCAT™ – Certified Associate in Testing with Python certification, and to get your foot in the door to careers in software testing and QA engineering. The course will also equip you with the skills and knowledge necessary to pursue more advanced, specialized, and higher-paying positions in the world of software development.

سرفصل ها

- Software Testing Principles
- Unit Testing
- Computer Programming
- Software Engineering Principles
- Software Decomposition
- Algorithmic Thinking
- Test-Driven Development
- Best Practices in Software Testing

مخاطبان دوره

The course is suitable for individuals who want to enhance their software testing skills using Python. This includes software testers, quality assurance engineers, software developers, and anyone involved in the software development process who wants to gain a solid understanding of testing principles and techniques using Python.

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پیش‌نیازها

The prerequisites for the Testing Essentials with Python (PFT) course may include:

1. Basic programming knowledge.
2. Familiarity with Python programming language.
3. Understanding of software development principles.
4. Basic knowledge of testing concepts.
5. Access to a computer with Python installed.