

PYTHON ADVANCED Course (Advanced OOP)

This course gives you the opportunity to dive into more advanced programming in the Python language and related technologies as well as advanced notions and techniques used in object-oriented programming.

مروری بر دوره

You will learn about classes, instances, attributes, and methods; shallow and deep operations, polymorphism, special methods, static and class methods, abstract classes, method overriding, composition, inheritance, subclassing, encapsulation, advanced techniques of exception handling, serialization of Python objects (the pickle module), the shelve module, decorators, and metaprogramming.

آنچه خواهید آموخت

After the course you will be able to design and create Python programs using the object-oriented approach, as well as acquire the essentials skills necessary for professional use of the Python language and land a job in software development.

سرفصل ها

- Python
- Computer Programming
- Algorithmic Thinking
- Analytical Thinking
- Design, Develop, Refactor, and Debug Multi-Module applications
- Best Practices and Python Coding Conventions
- Solutions Architecture
- Advanced Object-Oriented Programming
- GUI Programming
- Network Programming

پیش نیازها

The prerequisites for Python Advanced 1 course may vary depending on the institution or training provider. However, it is generally recommended to have a solid understanding of Python fundamentals, including data types, control structures, functions, and basic OOP concepts such as classes and objects.

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