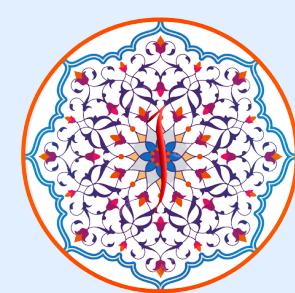


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# Python Fundamentals Course - AI

Let's Start





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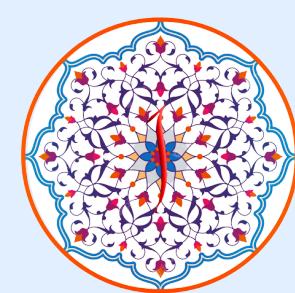
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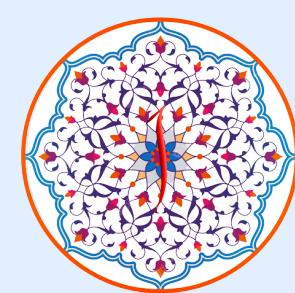
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# Introduction to Python

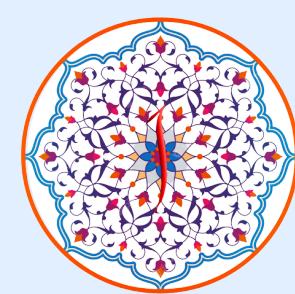
Python is a popular and versatile programming language known for its readability, simplicity, and broad range of applications. It's widely used in web development, data science, artificial intelligence (AI), automation, and more.





## Why Python?

- **Readable and Simple Syntax:** Python's syntax resembles plain English, making it easier to read and write code.
- **Versatile and Powerful:** Python supports multiple programming paradigms, including procedural, object-oriented, and functional programming.



# Overview of Python's features

- **Huge Standard Library:** Python comes with a comprehensive standard library that provides tools suited for many tasks like handling files, regular expressions, and data manipulation.
- **Community and Ecosystem:** Python has a large and supportive community with plenty of tutorials, libraries, and frameworks available, making development faster and easier.