

Learn Python in 15 Days

Python Roadmap



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Day 1: Understand the Basics

1. Introduction
2. Python Features & Applications
3. How to Install Python?
4. Hello World Program



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Day 2-3: Learn Python DataTypes, Variables & Operators

1. **Data Types | Variables in Python**
2. **Global and Local Variables in Python**
3. **Operators in Python**
4. **Operator Overloading in Python**
5. **Python Programming Examples for Practice**



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Day 4-5: Learn Conditional & Flow Control Statements in Python

1. **Decision-Making statements in Python**
2. **Loops in Python**
3. **Looping Techniques in Python**
4. **Control Statements in Python**
5. **Chaining Comparison in Python**



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Day 6-7: Understand String, List & Dictionary Manipulations in Python

1. **Python Arrays**
2. **Python Dictionary**
3. **Python String | Python Lists**
4. **Byte Objects vs String in Python**
5. **Python Sets | Python Tuples**



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Day 8-10: Get Familiar With Python Functions & Modules

1. Functions in Python
2. Function with arguments
3. Lambda Functions
4. Python Modules | Python Package
5. Python Closures



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Day 11-12: Go through Python File Operations

1. Basics of File Handling in Python
2. Open a File in Python
3. Reading a File | Writing to a File
4. Python seek() function
5. Python tell() function



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Day 13-15: Understand the Object-Oriented Approach in Python

1. **Class, Object, and Members in Python**
2. **Inheritance | Polymorphism | Encapsulation**
3. **Data Hiding & Object Printing**
4. **Constructors | Destructors in Python**
5. **Garbage Collection in Python**



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