



# PROFESSIONAL LINUX CONSULTING & TRAINING

## CURSO BASICO DE PYTHON

### OBJETIVO

Que el estudiante conozca qué es Python, aprenda a diseñar, crear, optimizar y realizar aplicaciones con las herramientas gráficas y de consola.

### TEMARIO

#### Chapter 1: **A Python Q&A Session**

- Why Do People Use Python?
- Is Python a "Scripting Language"?
- OK, but What's the Downside?
- Who Uses Python Today?
- What Can I Do with Python?
- What Are Python's Technical Strengths?
- How Does Python Stack Up to Language X?
- Chapter Summary

#### Chapter 2: **How Python Runs Programs**

- Introducing the Python Interpreter
- Program Execution
- Execution Model Variations
- Chapter Summary

#### Chapter 3: **How You Run Programs**

- Interactive Coding
- System Command Lines and Files
- Clicking File Icons
- Module Imports and Reloads
- The IDLE User Interface
- Other IDEs
- Embedding Calls
- Frozen Binary Executables
- Text Editor Launch Options
- Other Launch Options
- Future Possibilities?
- Which Option Should I Use?
- Chapter Summary

- BRAIN BUILDER

## Chapter 4: **Introducing Python Object Types**

- Why Use Built-in Types?
- Numbers
- Strings
- Lists
- Dictionaries
- Tuples
- Files
- Other Core Types
- Chapter Summary

## Chapter 5: **Numbers**

- Python Numeric Types
- Python Expression Operators
- Numbers in Action
- Other Numeric Types
- Chapter Summary

## Chapter 6: **The Dynamic Typing Interlude**

- The Case of the Missing Declaration Statements
- Shared References
- Dynamic Typing Is Everywhere
- Chapter Summary

## Chapter 7: **Strings**

- String Literals
- Strings in Action
- String Formatting
- String Methods
- General Type Categories
- Chapter Summary

## Chapter 8: **Lists and Dictionaries**

- Lists
- Lists in Action
- Dictionaries
- Dictionaries in Action
- Chapter Summary

## Chapter 9: **Tuples, Files, and Everything Else**

- Tuples
- Files
- Type Categories Revisited
- Object Flexibility
- References Versus Copies

- Comparisons, Equality, and Truth
- Python's Type Hierarchies
- Other Types in Python
- Built-in Type Gotchas
- Chapter Summary
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## Chapter 10: **Introducing Python Statements**

- Python Program Structure Revisited
- A Tale of Two ifs
- A Quick Example: Interactive Loops
- Chapter Summary

## Chapter 11: **Assignment, Expressions, and print**

- Assignment Statements
- Expression Statements
- Print Statements
- Chapter Summary

## Chapter 12: **if Tests**

- if Statements
- Python Syntax Rules
- Truth Tests
- Chapter Summary

## Chapter 13: **while and for Loops**

- while Loops
- break, continue, pass, and the Loop else
- for Loops
- Iterators: A First Look
- Loop Coding Techniques
- List Comprehensions: A First Look
- Chapter Summary

## Chapter 14: **The Documentation Interlude**

- Python Documentation Sources
- Common Coding Gotchas
- Chapter Summary
- BRAIN BUILDER

<p>Duración: 25 horas Material: DVD de Fedora Core Linux y CD de programas y utilerías de MySQL Documentación: Manual Oficial de MySQL</p>
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