Python[®] Notes for Professionals



700+ pages

of professional hints and tricks

Contents

<u>About</u>	1
Chapter 1: Getting started with Python Language	2
Section 1.1: Getting Started	
Section 1.2: Creating variables and assigning values	
Section 1.3: Block Indentation	
Section 1.4: Datatypes	
Section 1.5: Collection Tupes	
Section 1.6: IDLE - Python GUI	19
Section 1.7: User Input	21
Section 1.8: Built in Modules and Functions	21
Section 1.9: Creating a module	25
Section 1.10: Installation of Python 2.7.x and 3.x	26
Section 1.11: String function - str() and repr()	28
Section 1.12: Installing external modules using pip	
Section 1.13: Help Utility	31
Chapter 2: Python Data Types	33
Section 2.1: String Data Type	
Section 2.2: Set Data Types	
Section 2.3: Numbers data tupe	
Section 2.4: List Data Type	
Section 2.5: Dictionary Data Type	
Section 2.6: Tuple Data Type	
Chapter 3: Indentation	
Section 3.1: Simple example	
Section 3.2: How Indentation is Parsed	
Section 3.3: Indentation Errors	
Chapter 4: Comments and Documentation	
Section 4.1: Single line, inline and multiline comments	
Section 4.2: Programmatically accessing docstrings	
Section 4.3: Write documentation using docstrings	
<u>Chapter 5: Date and Time</u>	
Section 5.1: Parsing a string into a timezone aware datetime object	
Section 5.2: Constructing timezone-aware datetimes	
Section 5.3: Computing time differences	
Section 5.4: Basic datetime objects usage	
Section 5.5: Switching between time zones	
Section 5.6: Simple date arithmetic	
Section 5.7: Converting timestamp to datetime	
Section 5.8: Subtracting months from a date accurately	
Section 5.9: Parsing an arbitrary ISO 8601 timestamp with minimal libraries	
Section 5.10: Get an ISO 8601 timestamp	
Section 5.11: Parsing a string with a short time zone name into a timezone aware datetime objec	
Section 5.12: Fuzzy datetime parsing (extracting datetime out of a text)	
Section 5.13: Iterate over dates	
Chapter 6: Date Formatting	49
Section 6.1: Time between two date-times	49
Section 6.2: Outputting datetime object to string	49