HOORVIA ? PYTHON 3 MODERN SYNTAX, DATA TYPES & METHODS CHEAT SHEET

Quick Reference Cheat Sheet · US Letter & A4 Printable

Tech & Software · Sheet #487

Concept / Syntax	Code Snippet	Description	Time Complexity
List Comprehension	[x**2 for x in items if x % 2 == 0]	Clean inline list construction	O(n)
Dict Comprehension	{k: v for k, v in pairs if v is not None}	Filter or build dictionary keys	O(n)
F-String Formatting	f"Total: {cost:.2f} ({qty:,} units)"	Fast string interpolation with formats	O(n)
Enumerate	for idx, val in enumerate(items, start=1):	Iterate over index and value together	O(n)
Zip Iteration	for name, score in zip(names, scores):	Lock-step iteration across iterables	O(min(len))
Dict .get with Default	val = my_dict.get("key", "default_val")	Safe access without KeyError	O(1)
Unpacking (Splat)	head, *middle, tail = [1, 2, 3, 4, 5]	Destructuring sequential collections	O(n)
Context Manager	with open("data.json", "r") as f: data = json.load(f)	Guaranteed resource cleanup	O(file size)