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Using Dictionaries (Type dict) Basic Syntax $d = \{'jsl':'John', 'js2':'John',$ Access elts. like a list • Create with format: {k1:v1, k2:v2, ...} 'wmw2':'Walker' } d['jrs1'] evals to 'John' Both keys and values must exist d['jrs2'] does too d id8 Ex: d={'jrs1':'John','jrs2':'John','wmw2':'Walker'} id8 d['wmw2'] evals to 'Walker' dict • Keys must be non-mutable d['abc1'] is an error ints, floats, bools, strings, tuples 'jrsl' 'John' • Can test if a key exists 'jrs2' 'John' Not lists or custom objects 'jrsl' in d evals to True 'Walker' 'wmw2' 'abcl' in d evals to False Changing a key's contents hurts lookup • But cannot slice ranges! • Values can be anything Key-Value order in folder is not important

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