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书书WU3-Objects 新井
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Object literal - created directly in the language by wrapping all properties and methods in early brackets.

Sescription of Man of Steel as an object literal

Const Superman = { Mame: 'Superman', real_name: 'Clark Kent', Properties are height: 75. key-value pairs weight: 235, Separated by comma hero: true, fly() property is a villain: false, method. Additional methods would tolke alties: ['Butman', 'Supergirl', 'Sperboy'], Comma-separaded P14() { return 'Up, up and away!; · abjects are mutable, Can be changed while program is running.

const name = 'Iron Man'; Const real-name = Tony Stark;

11 Long way

Const ironMan = { name: name, realname; real-name };

11 short ESG way

Const ironMan = { name, real-name }:

Accessing Properties - clot notation

Superman. name & returns Superman

- bracket notation

Superman ['name'] - udvantages: can access non-standard property and method names, can evaluate un expression and use as key

批WO3-Objects ## Computed Properties Values can be an expression Const bewitched = true; const captain Britain = { name: "Captain Britain", hero; bewitched ? false : true }; Captain Britain - { name: "Captain Britain", hero: false} Symbol clata type can be used as a computed property key const name = Symbo ('name'); Const supergir! = {[name]: 'Supergir!'} + access using bracket notes Const real Name = Symbol ('real name'); } new property added to Supergirl [real Name] = 'Kara Danvers'; Sheet using symbol Symbols can be reused by any other object Check if a property or method exists - in operator 'city' in Superman; & returns false superman.city! == undefined; < returns false Superman. has Own Property ('City'); < returns false Superman. has Own Property ('name'); < returns true Loop through using for in loop to log all properties of an object Adding Properties to an object - dot notation superman. eity = 'Metropolis'; = adds key-value pair to object # objects are not ordered lists Changing Properties - use assignment operator

KEMOVING PROPERTIES

delete superman, eity; < returns true

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NESTED OBJECTS - access using dot or bracket notation. can mix

* Objects are copied by reference

Objects as parameters - useful when large numbers of parameters need to be passed. Arguments can be provided by name in any order.

function greet ({greeting, name, age}) { return 's[greeting]! My name is \$ {name} and I am \$ {age}:}

greet ({greeting: 'What's up dude', age: 10, name: 'Bart'});

this < keyword: refers to object

Namespacias & Naming collisions occur when same variable or function name is re-used for a different purpose.

use an object 1:teral for groups of related functions

Built-in Objects

JSON parse () & converts a string of JSON data to a JaveScriptoble otring ify () & converts a Javascript Object to JSON data

Mosth & built in Object with several Mathematical constants and methods

Date and time getfull Year ();

Reg Exp = Regular Expression Object