*// Lecture: Variables*

script tag in html or with a src link that points to a js file

<script src='script.js'></script>

console.log

**console**.log('hello world');

then console.log a variable

var name **=** 'Kohl';

**console**.log(name);

Kohl

*// Lecture: Variables 2*

PRIMITIVE JS DATA TYPES

NUMBER: Floating point numbers for decimals and integers

STRING: Sequence of characters, used for text

BOOLEAN: Logical data type that can only be true or false

UNDEFINED: Data type of a variable which does not have a value yet.

NULL: Also means 'not-existent'

*//single line comments*

*/\* multi-line*

*comments \*/*

JS knows when to combine datatypes

var name **=** 'Kohl';

var age **=** 31;

**console**.log(name **+** age);

Kohl31

**console**.log(age **+** age);

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we can have two variables listed

var job, isMarried;

Script reads from top to bottom so if you define a var and do something like console.log it then if you redefine it further down the page and console.log it again you will get two different logs as you go down the page.

Like Console.log we can use

prompt and alert

(both of these don’t show in a console but rather in a pop up)

ar lastName **=** prompt('What is the last name? ')

**console**.log(lastName);

alert(name **+** ' is a ' **+** age **+** ' years old ' **+** job **+** '. Is he married? ' **+** isMarried **+** ".")

*// Lecture: Operators*

Operator precedence determines the way in which operators are parsed with respect to each other. Operators with higher precedence become the operands of operators with lower precedence.

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Operator_Precedence>

(look to the table in the site for hagiarchy)

*// Lecture: if/else statements*

Pretty explanatory

*// Lecture: Boolean logic and switch*

AND (&&) => true if ALL are true

OR (| |) => true if ONE is true

NOT(!) => inverts true/false value

var age **=** 16;

age **>=** 20; *// => false*

age **<** 30; *// => true*

**!**(age **<** 30); *// => false*

age **>=** 20 **&&** age **<** 30; *// => false*

age **>=** 20 **||** age **<** 30; *// => true*

*CODING CHALLENGE*

*// Lecture: Functions*