

Data Types

01.05 Data Types



Assignments

var name = prompt("What is your name?"); var name = Date(); var name = window.location;



Types

- In many programming languages, variables need to have a single type
- In JavaScript, a variable can take on many different types
- What are these types?



Number

- Numerical values
 - with or without decimals

var width = window.innerWidth; var pi = 3.14;



String

- A String is a collection of characters (letters, numbers, punctuation,)
- To create a string you put the value in quotes "..."

var location = window.location; var name = "Colleen";



Boolean

 In programming, a boolean value is one that is either true or false

> var status=false; var windowStatus=window.closed;

 Later, we will learn how to write our own boolean expressions to check if things are true or false



Object

Sometimes the variables are more complex A node in the DOM a good example

var topic= document.getElementById('myID');

Nodes are more than a single value, they have attributes





How can a function return more than one value?

var links= document.getElementsByTagName('a');



Accessing Array Elements

 Arrays store multiple value using a variable name, and an index for each element in the array

var links= document.getElementsByTagName(`a');
document.write(links[0]);

• We will cover arrays in depth later in the course



Review

- Luckily in JavaScript you have a lot of flexibility with the types of data
- For now, focus on learning the types of data returned by the most common APIs



Acknowledgements/Contributions

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