

LESSON 4: VISUAL DIRECTION AND COMPLEX DATA TYPES

ARRAYS

A data type used to store _____ of data.

Declared using the the following syntax:

Access items in an array by their _____, which count up from ____:

OBJECTS

A data type that allows us to package _____ (_____) data storage with related _____ (_____) more like we think of things in the real world.

Many objects exist as a part of JavaScript; others will be available through _____ like jQuery; we can also _____ _____.

Access properties or methods using _____ notation:

[Scripting]

BUILT-IN OBJECTS

JavaScript has a number of helpful objects built into it:

- » _____ - properties of the current browser window such as top offset, scroll position, and more.
- » _____ - properties and actions happening in the current page.
- » _____ - operations such as _____().
- » _____ - formatting and conversions such as _____().
- » _____ - for sorting, adding and removing items with _____() and _____().
- » _____ - tons of helpful operations and values such as _____(), _____(), _____(), and many more.
- » _____ - for working with complex dates... a rather complex data type.

CREATING OBJECTS

Define them on the fly with _____ notation...

[Scripting]

Provide _____: _____ pairs separated by _____.

Or declare as a predefined "class" with _____ notation:

1. The _____ of the object/class, usually capitalized
2. _____ for setting up the object
3. Any predefined _____ using the keyword _____ and assigning the desired value.
4. Any predefined _____ using the keyword this and assigning an _____ function.

Create an instance of a predefined object/class:

1. Typically a variable to store the object instance
2. Name of the object/class after the keyword new

[Scripting]

3. Any parameters allowed by the object

ARRAYS AND OBJECTS

We can use arrays to keep _____ of _____...

And we can store arrays on objects to keep track of _____ lists...