

What's the difference between arrays and objects with number keys?

Arrays have the `length` property and inherit from `Array.prototype` instead of `Object.prototype`.

What does the `length` property of an array really represent?

The current size, not the final size. Assignment to higher indexes then `length - 1` will succeed and increase the `length` property.

How are subscripts on arrays different than in Java?

Any object can go in the subscript. The result of calling its `toString` operation will determine the property name retrieved. This applied to all objects not just arrays.

What's a quick way to delete lots of properties
of an array?

Reduce it's `length` property.

Append to an array.

- Use `push`.
- Assign to index `arr.length`.

Delete from an array without leaving a whole.

Use `splice(deleteIndex, deletionLength)` which modifies the array rather than returning a new one.

What are the limitations of `for-in` on arrays?

What's the solution?

- Order of iteration is not guaranteed.
- Unexpected properties may be present due to prototype linkage.

Use `for` instead with an index variable.

Why it difficult to distinguish between arrays
and objects?

`typeof myArr` returns `'object'`