

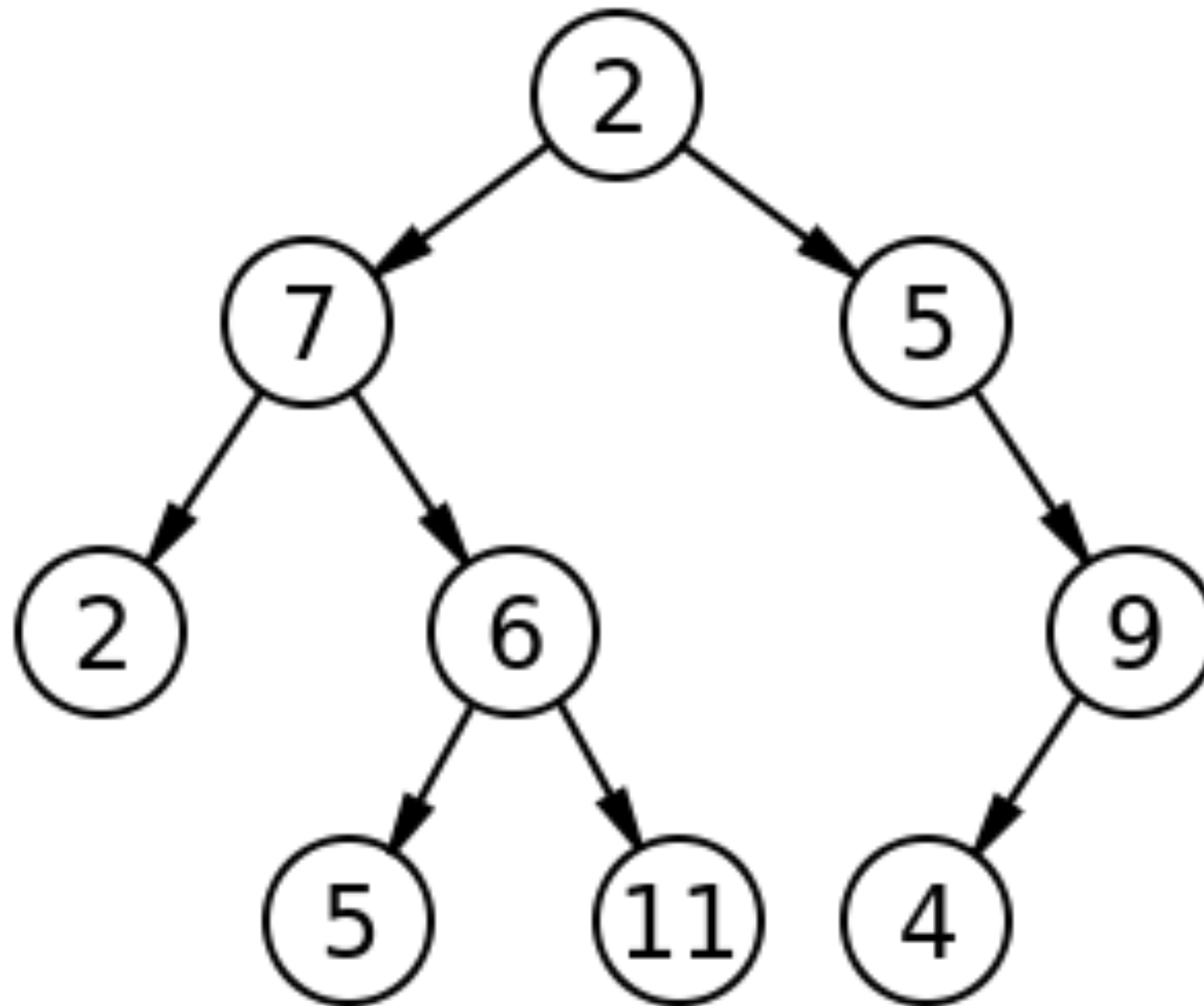
# Instant Gratification and the DOM

# MDN

# Document Object Model

# DOM Tree

# Review: Tree Structure



# Pretty Common Interview Question

# On the Quiz?



# In my interview?

- Likely, or something data-structure related

window.document

*Always* there for you

# F·R·I·E·N·D·S



Can just be referenced  
as 'document'

```
document.createElement( “div” )
```

**But for now, call it  
window.document**

```
var document = window.document;  
document.createElement( "div" );
```



# querySelector

```
document.querySelector( “#id” );
```

# Returns first match

# querySelectorAll

```
document.querySelectorAll( “.klass” );
```

# Returns Nodes/ Nodelist

# What is a Nodelist?

Like an *Array*, not an  
*Array*



# Creating Elements

# Element Types

div

p

span

<jeff>

# document.createElement

```
var el = document.createElement( “div” );
```



# element attributes

```
el.className = “awesome”;
```

href, id, keytype, label, value

## Attribute list

Attribute Name	Elements	Description
accept	<code>&lt;form&gt;</code> , <code>&lt;input&gt;</code>	List of types the server accepts, typically a file type.
accept-charset	<code>&lt;form&gt;</code>	List of supported charsets.
accesskey	Global attribute	Defines a keyboard shortcut to activate or add focus to the element.
action	<code>&lt;form&gt;</code>	The URI of a program that processes the information submitted via the form.
align	<code>&lt;applet&gt;</code> , <code>&lt;caption&gt;</code> , <code>&lt;col&gt;</code> , <code>&lt;colgroup&gt;</code> , <code>&lt;hr&gt;</code> , <code>&lt;iframe&gt;</code> , <code>&lt;img&gt;</code> , <code>&lt;table&gt;</code> , <code>&lt;tbody&gt;</code> , <code>&lt;td&gt;</code> , <code>&lt;tfoot&gt;</code> , <code>&lt;th&gt;</code> , <code>&lt;thead&gt;</code> , <code>&lt;tr&gt;</code>	Specifies the horizontal alignment of the element.
alt	<code>&lt;applet&gt;</code> , <code>&lt;area&gt;</code> , <code>&lt;img&gt;</code> , <code>&lt;input&gt;</code>	Alternative text in case an image can't be displayed.
async	<code>&lt;script&gt;</code>	Indicates that the script should be executed asynchronously.
autocomplete	<code>&lt;form&gt;</code> , <code>&lt;input&gt;</code>	Indicates whether controls in this form can by default have their values automatically completed by the browser.
autofocus	<code>&lt;button&gt;</code> , <code>&lt;input&gt;</code> , <code>&lt;keygen&gt;</code> , <code>&lt;select&gt;</code> , <code>&lt;textarea&gt;</code>	The element should be automatically focused after the page loaded.
autoplay	<code>&lt;audio&gt;</code> , <code>&lt;video&gt;</code>	The audio or video should play as soon as possible.
bgcolor	<code>&lt;body&gt;</code> , <code>&lt;col&gt;</code> , <code>&lt;colgroup&gt;</code> , <code>&lt;marquee&gt;</code> , <code>&lt;table&gt;</code> , <code>&lt;tbody&gt;</code> , <code>&lt;tfoot&gt;</code> , <code>&lt;td&gt;</code> , <code>&lt;th&gt;</code> , <code>&lt;tr&gt;</code>	<p>Background color of the element.</p> <p>Note: This is a legacy attribute. Please use the CSS <code>background-color</code> property instead.</p>

# Where do I look this up?

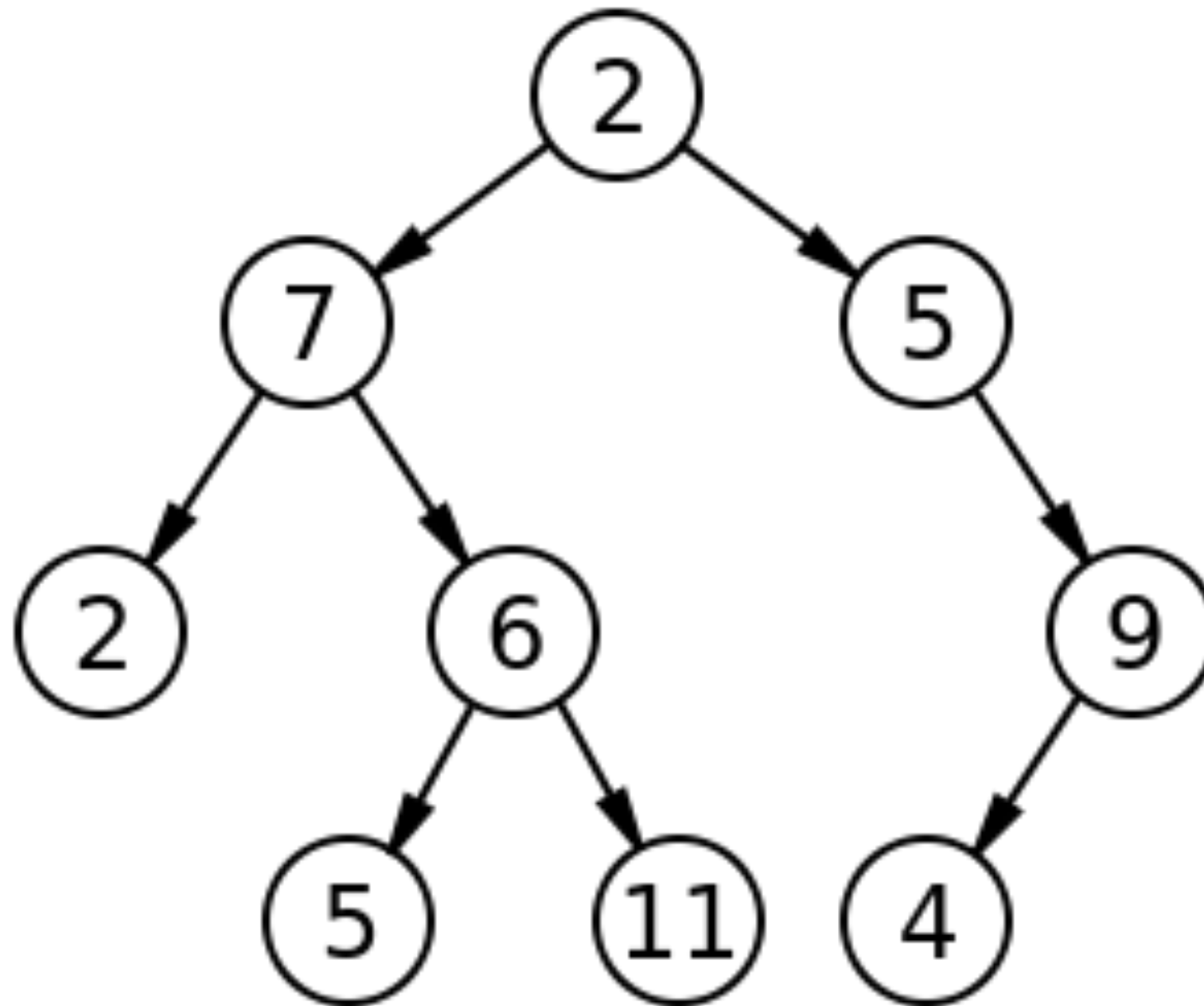
[https://developer.mozilla.org/en-US/docs/Web/HTML/  
Attributes](https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes)

# Adding/Removing Nodes

**Remember: tree  
structure**







# appendChild

```
var el = document.createElement( "div" );  
var parent = document.querySelector( "#parent" );  
parent.appendChild( el );
```

# removeChild

```
var element = document.querySelector( “#awesome” );  
    element.parentNode.removeChild( element);
```



```
var child = document.querySelector( “#awesome” );  
    child.parentNode.removeChild( child );
```



Modifying is so \$\$\$\$

**Restructure, repaint, re-  
everything**

Make sure to change  
els before adding to  
dom

```
var el = document.createElement( "div" );  
    el.className = "awesomejeffclass";  
var parent = document.querySelector( "#parent" );  
    parent.appendChild( el );
```

# Working within the console

# Inspector

# Activity Time!

- Make HTML page
- Add CSS reference on it
- Create Element, add to page, modify contents of element, change element look