CSE 482L: Internet and Web Technologies
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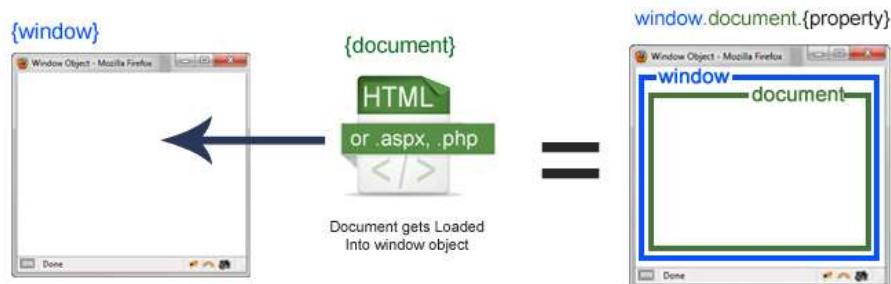**Instructor:** Mohammad Shafiqul Islam

- Basic JavaScript
- Loading Script from External Resource
- JavaScript common concepts
- Event handling

JavaScript Block Versus Loading External Script

Inside Head Tag	Loading External Script File

``html
<head>
    <script>
        document.write("Speed");
        window.alert(5 + 6);
        console.log(5 + 6);
    </script>
</head>
``
	``html
	<!DOCTYPE html>
	<html>
	    <body>
	    <script src="script.js"></script>
	    <script src="js/script.js"></script>
	    <script src="../js/script.js"></script>
	    </body>
	</html>
	``

Accessing Document Object Model

DOM: DOM has numerous property. Basically, we address the DOM using window. IN order to access DOM elements, we can use document.
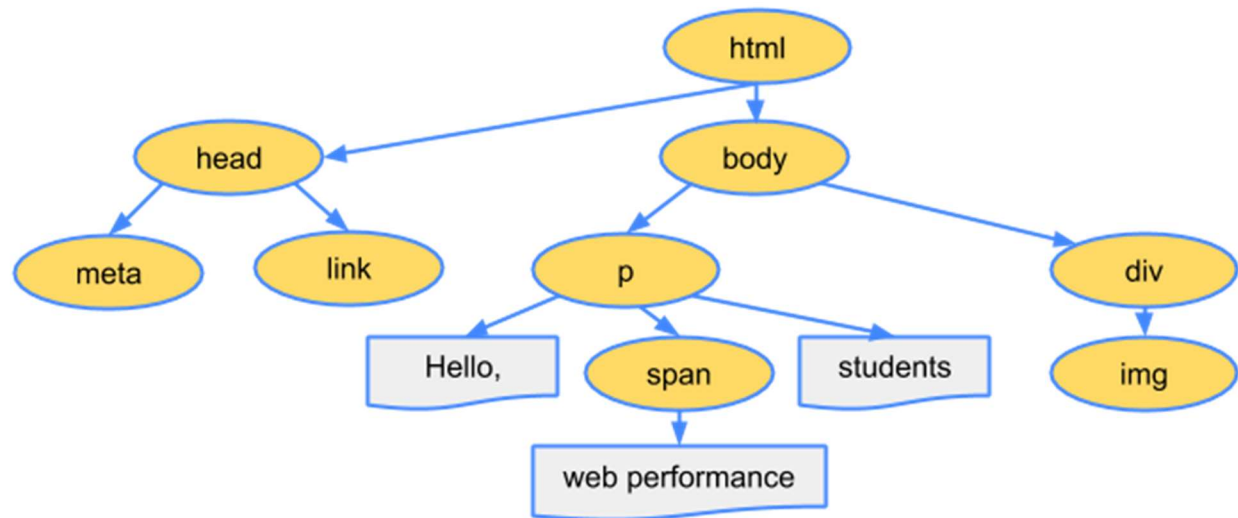
Fig: DOM

Accessing Data by Class Name

```
<div class="example">First div</div>
<div class="example">Second div</div>

<script>
      var x = document.getElementsByClassName("example");
      document.write(x);
</script>
```

Accessing Data Through Tag Name

```
<p>First div</p>
<p>Second div</p>

<script>
      var x = document.getElementsByTagName("p");
      document.write(x);
</script>
```

Change Content

```
<p id="demo">Star Wars: Clone Wars</p>

<script>
        document.getElementById("demo").innerHTML = "Hello World";
</script>
```

JavaScript CSS

Change Color

```
<p id="demo">The Quick and the Dead</p>

<script>
        document.getElementById("demo").style.color = "blue";
</script>
```

JavaScript Functions

#1 version

```
x();

var x  = function(){
    window.alert("Speed 2: Cruise Control");
}
```

#2 version

```
test();

function test(){
    window.alert("Stargate");
}
```

#3 version

```
(function(){
    window.alert("Broken Arrow");
})();
```

Event Handling

```
Onload

<!DOCTYPE html>
<html>
    <head>
        <script>
            function f() {
                    alert("Onload event");
            }
        </script>
    </head>

<body onload="f()">
</body>

</html>
```

Button Event

`<button onclick="call()">`
    `Click me`
`</button>`
	`function call() {`
	    `alert("The Man with the golden gun");`
	`}`

Input Field Event

```
<input type="text" onkeydown="keydown ()" onkeyup="keyup ()">

<script>
    function keydown () {
            document.getElementById("demo").style.backgroundColor = "red";
    }

    function keyup() {
            document.getElementById("demo").style.backgroundColor = "green";
    }
</script>
```