Introduction to Javascript

Web Authoring and Design

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Outline

- What is Javascript?
- Summary
- Review/Discussion

Review

- Javascript between the tags

- < script >
-      ...
- < /script >

Review

■ Simple Javascript Example

```
<!DOCTYPE html>
<html>
    <head>
        <script>
            alert("Javascript run at HEAD section");
        </script>
    </head>
    <body>
    </body>
</html>
```
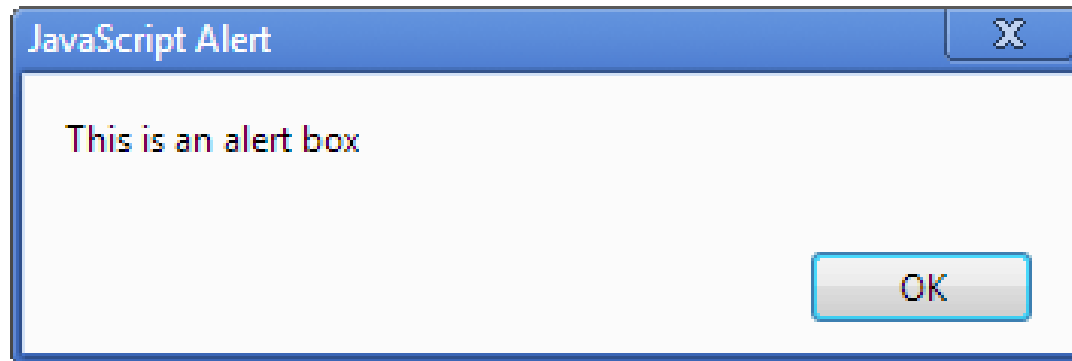
Popup boxes

- JavaScript introduced three dialog boxes that work well enough for alerting, confirming and prompting for values
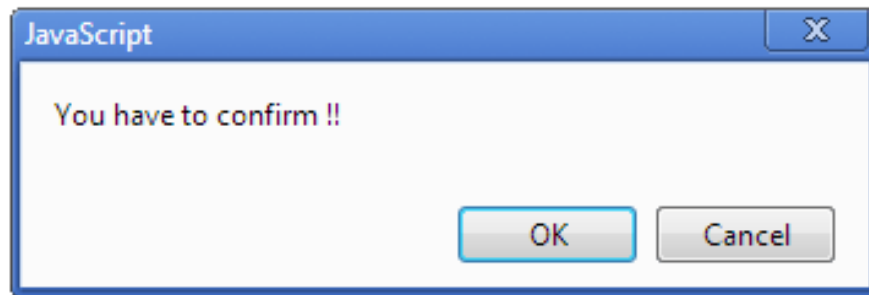
```
alert()
confirm()
prompt()
```

Alert Boxes

- These dialog boxes are helpful to raise and alert, or to get confirmation on any type of input from the user

JavaScript Alert	X
This is an alert box	
	OK

```
alert('Your message here');
```

Button Triggers

Click Here to show alert box

JavaScript

You have to confirm !!

OK   Cancel

```
<!DOCTYPE html>
<html>
<body>
    <input type="button"
        value="Click Here to show alert box"
        onclick="alert('This is an Alert Box');" />
</body>
</html>
```
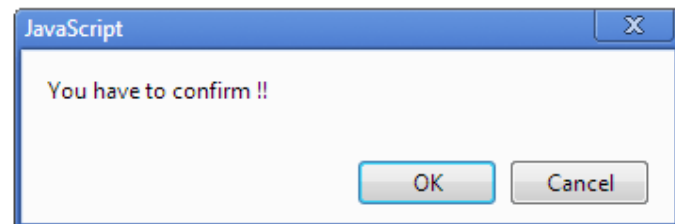
Confirm Dialog

```html
<!DOCTYPE html>
<html>
<body bgcolor="white">
    <p>First Javascript Program</p>
    <script type=text/javascript>
        alert("Click OK to change the background color !!!");
        document.bgColor = "red";
    </script>
</body>
</html>


<html>
<head>
<script type="text/javascript">
    function confirmMesage()
    {
        var conVal = confirm("You have to confirm !!");
        if (conVal == true)
        {
            val = "Confirmed !!";
        }
        else
        {
            val = "Cancelled !!";
        }
        alert(val);
    }
</script>
</head>
<body>
    <form>
    <input type="button"
            onclick="confirmMesage()"
            value="Click here to confirm" />
    </form>
</body>
</html>
```
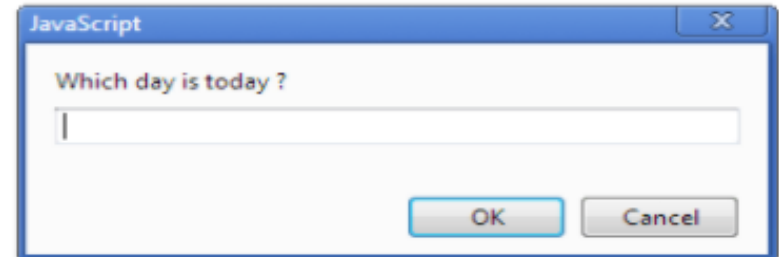
Click here to confirm

JavaScript

You have to confirm !!

OK   Cancel

Prompt Box

```html
<html>
<head>
<script type="text/javascript">
function promptUser() {
    var iDay = prompt("Which day is today ?", "");
    if (iDay != null)
    {
        alert("Today is " + iDay);
    }
    else
    {
        alert("You should enter a Day !!");
    }
}
</script>
</head>
<body>
<form>
<input type="button"
       onclick="promptUser()"
       value="Click here to enter a day !!" />
</form>
</body>
</html>
```
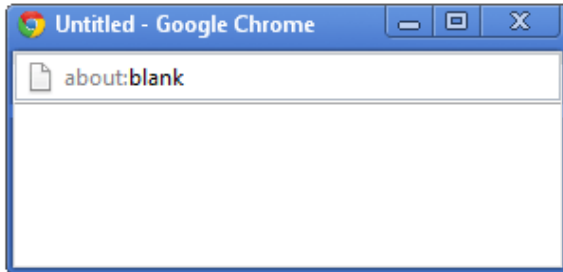
Click here to enter a day !!

JavaScript

Which day is today ?

OK   Cancel

Javascript Popup Window

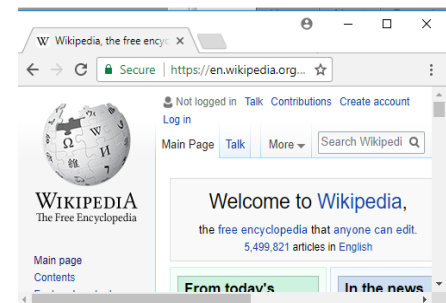Syntax:

```
window.open(url, windowName, "attributes");
```

```html
<html>
<head>
<script type="text/javascript">
    function popWindow() {
        var newWindow = window.open("", "", "width=300, height=200");
    }
</script>
</head>
<body>
    <button onclick="popWindow()">Open New Window</button>
</body>
</html>
```

Parameters New Window

```html
<html>
<head>
<script type="text/javascript">
    function popWindow() {
        var newWindow = window.open("http://www.msn.com",
                                   "_blank",
                                   "top=100, left=100, width=800, height=500,
        menubar=yes,toolbar=yes, scrollbars=yes, resizable=yes");
    }
</script>
</head>
<body>
    <button onclick="popWindow()">Open New Window</button>
</body>
</html>
```

This Week

- Review Slides

- Read Associated Chapters

- Weekly Tasks
  - ▷ Update GitHub Account/Webpage

- **<u>Online Quizzes</u>**

Summary

- Overview of Javascript
- Basic Formatting
  - ▷ Script, Functions, ...
- Altering webpage operation (through Javascript)
- Hands-On/Practical

Questions/Discussion

Modern Web Development