

JAVASCRIPT

What is JavaScript?

- ⦿ NOT the same thing as Java
- ⦿ JavaScript is a lightweight programming language
- ⦿ You insert it into HTML pages
- ⦿ It gets executed by the browser
- ⦿ Here's some examples...

How to add JavaScript to your site

- ⦿ `<script> (code) </script>`
- ⦿ This goes between the `<head>` OR `<body>` tags
- ⦿ But JavaScript can also go in external slides, like CSS

Your first javaScript

Create new file, call it script1.html, add this between <body> tags:

```
<script>  
    document.write("<h1>This is a  
heading</h1>");  
    document.write("<p>This is a  
paragraph</p>");  
</script>
```

Nothing happened?!

- ⦿ The code in that example executed when the page loaded
- ⦿ JavaScript more effective to use when an event occurs, like the user clicking a button
- ⦿ If we put JavaScript code inside a function, we can call that function when an event occurs

JavaScript example 2

- Create new file, call it script2.html, put this code between <body> tags:

```
<button type="button"  
onclick="alert('Welcome!')">Click  
Me!</button>
```

Manipulating HTML

- Create new file, call it script3.html, add this code between <head> tags:

```
<script>
```

```
    function changetext(id){  
        id.innerHTML="Ooops!";  
    }
```

```
</script>
```

Manipulating HTML

- AND THEN this code between <body> tags:

```
<h1 onclick="changetext(this)">Click on  
this text!</h1>
```


Fun with JavaScript

- ⦿ That was just a brief introduction – too much to explain in one day
- ⦿ Now let's have some fun with it!

Scroll to top of page

- ◎ <http://www.dynamicdrive.com/dynamicin dex5/scrolltotoplink.html>

JavaScript Calendar

- ◎ <http://www.dynamicdrive.com/dynamicin dex6/dcalendar2.htm>

Circling text script

- ◎ <http://www.dynamicdrive.com/dynamicindex13/circletext.htm>

Live Date Script

- ◎ <http://www.dynamicdrive.com/dynamicindex6/clock3.htm>

Rainbow links

- ◎ <http://www.dynamicdrive.com/dynamicindex5/rainbow.htm>

JavaScript image gallery

- JavaScript image gallery:
- <http://www.dynamicdrive.com/dynamicin dex4/simplegallery.htm>

Phong 2 – JavaScript game

- ◎ <http://www.dynamicdrive.com/dynamicindex12/phong2.htm>