

ITC250-CPET499 Web Systems

Thursday, October 03, 2013 9:37 AM

Topics of Discussion

- JavaScript - Client side scripting programming language
- JavaScript Web APIs, <http://www.w3.org/standards/webdesign/script.html>
- ECMAScript Language Specification Edition 5.1 (June 2011), <http://www.ecma-international.org/publications/standards/Ecma-262.htm>

1st JavaScript Example

```
<html>
  <head>
    <meta charset = "utf-8">
    <title> First JavaScript Example </title>
    <script type = "text/javascript">
      document.writeln("<h1> Welcome!</h1>");
    </script>
  </head>
  <body> </body>
</html>
```

Elements/Attributes

- **script** element
- **type** attribute: Text

Statement

- Variable declaration
 - var name;
- document.writeln("<h1> Welcome!</h1>");

Object

- Document object
 - Attribute (data)
 - Behaviors (methods, functions)
- Window object
 - window.prompt()
- Boolean object
- Number object
- String object
- Math object
- Date object

Utility Functions

- parseInt()
- parseFloat()

Escape Sequence

```
\n
\t
\\
\"
\'
```

JavaScript Examples

Fig. 6.2 Printing on the line with separate statements ([welcome2.html](#))

Fig. 6.3 Alert dialog displaying multiple lines ([welcome3.html](#))

Fig. 6.5 Prompt box used on a welcome screen ([welcome4.html](#))

Fig. 6.7 Adding script ([addition.html](#))

Fig. 6.14 Using equality and relational operators ([welcome5.html](#))

From <<http://www.etcs.ipfw.edu/~lin/CPET499-ITC250/cpet499-ITC250-WebSystems-Lectures-F2012.html>>

e-Book "[Developing Advanced Web Applications Using JavaScript](#)," by Prof. Paul Lin

Ch.1 [JavaScript Basics](#)

Ch.2 [JavaScript Objects and Methods](#)

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