

Topics of Discussion

Chapter 11. JavaScript Objects

- ASCII, UTF-8, and Unicode
 - ASCII Table, <http://en.wikipedia.org/wiki/ASCII>
 - UTF-8, <http://en.wikipedia.org/wiki/UTF-8>
 - Universal Character Set, http://en.wikipedia.org/wiki/Universal_Character_Set
 - UTF-8 Encoding Table and Unicode Characters, <http://www.utf8-chartable.de/>
 - List of Unicode Characters, http://en.wikipedia.org/wiki/List_of_Unicode_characters
- Math Object, Properties (page 362)

String Object

- **Character Processing Methods**

charAt(index)	Returns the character at a specific location
charCodeAt(index)	Returns the Unicode value of the char at a specific location
fromCharCode(value1, value2,...)	Returns a string created from a series of Unicode values
toLowerCase()	Returns the lower case version of a string
toUpperCase()	Return the upper case version of a string

Example Fig. 11.4, Fig. 11.5

- **Searching Methods**

indexOf(substring, index)	
lastIndexOf(substring, index)	

Example Fig. 11.6, Fig. 11.7

- **String Processing: Splitting Strings and Obtaining Substrings**

concat(string)	
Replace(searchString, replaceString	
slice(start, end)	
• split(string)	
substr(start, length)	
substring(start, length)	

Example Fig. 11.8, Fig. 11.9

Other String Methods, Properties

- String Object, Microsoft MSDN, [http://msdn.microsoft.com/en-us/library/ie/ecczf11c\(v=vs.94\).aspx](http://msdn.microsoft.com/en-us/library/ie/ecczf11c(v=vs.94).aspx)
 - search()
 - localeCompare()
 - toLocaleUpperCase()
 - toLocaleLowerCase()
 - trim()
 - toString()

- valueOf()

Date Objects & References

- Date Object, [http://msdn.microsoft.com/en-us/library/ie/cd9w2te4\(v=vs.94\).aspx](http://msdn.microsoft.com/en-us/library/ie/cd9w2te4(v=vs.94).aspx)
- Mozilla Developer Network, https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date
- Date Object Methods, pp. 371-372 of the text book
- Example Fig. 11.11, Fig. 11.12

Boolean and Number Objects

- Number Object, [http://msdn.microsoft.com/en-us/library/ie/dwab3ed2\(v=vs.94\).aspx](http://msdn.microsoft.com/en-us/library/ie/dwab3ed2(v=vs.94).aspx)
- Boolean Object, [http://msdn.microsoft.com/en-us/library/ie/t7bkhaz6\(v=vs.94\).aspx](http://msdn.microsoft.com/en-us/library/ie/t7bkhaz6(v=vs.94).aspx)
- Pages 376-377 of the text book

Document Object

- Document object, [http://msdn.microsoft.com/en-us/library/ie/ms535862\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/ms535862(v=vs.85).aspx)
- Document, <https://developer.mozilla.org/en-US/docs/Web/API/document>

HTML 5 Windows: localStorage and Session Storage Objects

- DOM Storage Guide, <https://developer.mozilla.org/en-US/docs/Web/Guide/API/DOM/Storage>

JSON (JavaScript Object Notation) -

- An open standard format that uses human-readable text to transmit data
- A lightweight data-exchange technique
- JSON, <http://www.json.org/>
- JSON Resource Center, www.deitel.com/json
- An Intro to JSON in JavaScript and .NET, <http://msdn.microsoft.com/en-us/library/bb299886.aspx>