

Javascript

Chapter 11 of *Webmaster in a Nutshell*

- `<script></script>`
- Variables
 - Declaration
 - Var
 - `Var I;`
 - `Var j = 5;`
 - Data Types
 - Numbers
 - 1, 3.45 , .0005, 6.34
 - Booleans
 - **true** or **false**
 - Strings
 - "test"
 - "wouldn't you lie to try this"
 - escape characters
 - `\b` backspace
 - `\f` form feed
 - `\n` new line
 - `\t` tab
 - `\xdd` character with hex value dd
 - Objects
 - Compound data type that contains any number of properties
 - Each property has a name and a value
 - `.` operator access an objects values and methods
 - `var o = new object`
 - arrays
 - an array is a type of object that contains numbered values rather than named values
 - `var a = new Array(10)`
 - array of 10 elements
 - numbered 0 to size – 1
- Operators
 - See page 194
 - `[]` array element
 - `.` object property
 - `()` invoke function
 - `++` pre or post increment
 - `--` pre or post decrement
 - `*` multiplication

- / division
- - minus
- + addition
- && logical and
- || logical or
-

- functions

- a piece of code that is defined once and can be executed multiple times by a program
- function `sum(x,y) {`
 - `return x+y;`
- `}`

- statements

- if
 - `if (expression) {`
 - `}`
 - `else {`
 - `}`
- switch
 - `switch (expression) {`
 - `case constant-expression:`
 - `break`
 - `case constant-expression:`
 - `break`
 - `default:`
 - `}`

- for
 - `for (initialize;test;expression) {`
 - `}`
- do
 - `do`
 - `while (expression)`
- while
 - `while (expression) {`
 - `}`