

# HTML DOM

Accessing the web of data in an HTML document

# DOM

## Definition

- DOM = Document Object Model
- Defines the method of accessing objects and properties in a document
- Objects are referred to as nodes

# DOM

## Concepts

- document object contains the web page
- Methods
  - getElementById( )
  - getElementsByTagName( )
  - createElement( )
  - createTextNode( )

# DOM

## Concepts

- Nodes: Root, Parent, Child, Sibling
- Methods
  - hasChildNodes( )
  - hasAttributes( )
  - appendChild( )

# DOM

## Concepts

- Nodes: Root, Parent, Child, Sibling
- Properties
  - `childNodes` - returns a list of nodes
  - `firstChild`, `lastChild`, `parentNode`
  - `nextSibling`, `previousSibling`

# DOM

## Concepts

- Nodes: Root, Parent, Child, Sibling
- Properties
  - `nodeValue` - returns text in a node
  - `nodeName` - name of the element
  - `nodeType`

# DOM

## Concepts

- Node Types
  - Element - 1
  - Attribute - 2
  - Text - 3
  - Document - 9

# DOM

## The Tree

