

Announcements

- ❖ Check class announcements daily
- ❖ You must implement programming projects by yourself

Drop-DOWN/Scrollable Lists

- ❖ Defined using the `<select>` tag (not the `<input>` tag)
- ❖ `<option>` tag to specify possible options
- ❖ To define a default choice use:
`selected="selected"`
- ❖ The ***multiple*** attribute in `<select>` allows for selection of multiple items (usually displayed as a multiple-selection list)
- ❖ **Example:** DropDownList.html
- ❖ **Example:** ScrollableList.html

Textareas

- ❖ Allows user to input more than one line of information
- ❖ We use the `<textarea>` tag
- ❖ ***rows*** and ***cols*** attributes define the text area
- ❖ Default text (if any) appears between the `<textarea>` and `</textarea>` tags
- ❖ **Example:** Textarea.html

charAt

- ❖ Allows us to retrieve the character associated with a particular position in a string
- ❖ **Example:** `charAt.html`

Separating Content from Behavior

- ❖ Keep each of the following separate
 - ❖ Content (HTML)
 - ❖ Presentation (CSS)
 - ❖ Behavior (JavaScript)
- ❖ Separating HTML and JavaScript
 - ❖ Use src attribute of `<script>`
 - ❖ Place the `<script></script>` in `<head>`
 - ❖ **Example:** folder named *Separation*

Advantages of Separation

- ❖ Simplifies HTML files (removes large segments of JavaScript code)
- ❖ Functions can be cached by the browser for efficiency
- ❖ Code sharing/reuse → Function used by several pages can be kept in a single file

Use of JavaScript in Web Pages

- ❖ Unobtrusive JavaScript → programming paradigm specifying that JavaScript should not intrude on users accessing a web page, on HTML content, or CSS Stylesheets
- ❖ Goals
 - ❖ Keep JavaScript code separate from HTML
 - ❖ Scripts are enhancements to HTML content, but the content should be available without JavaScript
- ❖ You should design web pages so they operate even if JavaScript is disabled
- ❖ The <noscript> tag can be used to define content where scripting cannot be used (e.g., disabled by user)
- ❖ **Example:** folder named *Separation*
 - ❖ Run example with JavaScript Disabled
 - ❖ Tools→Options→Content (in Firefox)

Break Statement

- ❖ break cause the innermost loop to exit immediately
- ❖ It is only legal if it appears inside a loop or switch statement
- ❖ **Example:** Break.html, NoBreak.html
- ❖ break can also be used with a label

Switch Statement

- ❖ Type of conditional statement
- ❖ **Example:** SwitchNames.html, Switch.html