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:
  ```html
  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