<script> tag

JavaScript code placed within HTML <script> tag.

Two relevant tag attributes:

- **type** (required)—MIME type of script contained within tag. Traditionally set to "text/javascript" even though officially deprecated.
- **src** (optional)—URL of an external JavaScript file to be loaded.

  External JavaScript files typically use .js extension, but not required.

  If src is specified, no additional code can be contained within the block.
<script> tag

Two properly formed script tags:

```html
<script type="text/javascript" src="libr.js"></script>

<script type="text/javascript">
    window.alert("Hello");
</script>
```

http://einstein.etsu.edu/~pittares/CSCI3110/examples/1-1.htm
http://einstein.etsu.edu/~pittares/CSCI3110/examples/1-2.htm
http://einstein.etsu.edu/~pittares/CSCI3110/examples/1-3.htm

<script> tag placement options

Place tags within head section of page to keep code blocks together and to ease maintenance.

Body not processed until script(s) downloaded and processed, potentially slowing page display.

Place tags as last element in body.

Place tags within head but add defer request to script tag.

```html
<script type="text/javascript" src="js.js" defer="defer"></script>
```

http://einstein.etsu.edu/~pittares/CSCI3110/examples/1-4.htm
http://einstein.etsu.edu/~pittares/CSCI3110/examples/1-5.htm
<script> tags containing

< embedded within a script causes problems.
Universal solution:
  <script type="text/javascript">
   //<![CDATA[
   ...
   //]]>
  </script>
Above only needed with inline JavaScript.

<noscript>

Code placed within a noscript block only executed if the user's browser does not support scripting or if scripting is turned off.
  <noscript>
  <p>If you loved me, you'd turn on scripting</p>
  </noscript>
Closing script block thoughts

Inline code or load from external? When possible load from external.

Spot the problem(s)