Report - upd-art-w3validator - 2021-12-26

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Contextualization

Jekyll uses rogue, which is a Ruby gem, to create the markup around code snippets inserted on the site's posts.

To use Rogue, we just enclose the code snippet with {% highlight <language>%} and {% endhighlight %}. Apart from determining the language in which the snippet is written, we may set the option lineos to create numbered lines. Here is an instance:

{% highlight c linenos %}
#include <stdio.h>
void main() {
    // Exibe Olá, Mundo! na tela.
    printf("Olá, Mundo!");
}
{% endhighlight %}

This would produce the following result:

```
1 #include <stdio.h>
2 void main() {
3     // Exibe Olá, Mundo! na tela.
4     printf("Olá, Mundo!");
5 }
```

Notice the line numbers at the left.

Problem

The code generated by Rogue when using the lineos option said to be invalid by W3 HTML validator.

Apparently, it is not legal to add <table> as <code>'s element.

The error presented by W3 HTML Validator is the following:

Error Element `table` not allowed as child of element `code` in this context. (Suppressing further errors from this subtree.)
From line 158, column 71; to line 158, column 97
`-lang="c">`<table class="rouge-table">`<tbody`
Contexts in which element `table` may be used:
    Where flow content is expected.
Content model for element `code`:
    Phrasing content.

Here is the code generated by Rogue:

```
<figure class="highlight"><pre><code class="language-c" data-lang="c"><table class="rouge-table"><tbody><tr><td class="gutter gl"><pre class="lineno">1↵
2↵
3↵
4↵
5↵
</pre></td><td class="code"><pre><span class="cp">#include &lt;stdio.h&gt;↵
</span><span class="kt">void</span> <span class="nf">main</span><span class="p">()</span> <span class="p">{</span>↵
    <span class="c1">// Exibe Olá, Mundo! na tela.</span>↵
    <span class="n">printf</span><span class="p">(</span><span class="s">"Olá, Mundo!"</span><span class="p">);</span>↵
<span class="p">}</span>↵
</pre></td></tr></tbody></table></code></pre></figure>↵
```

Solution

Remove lineos option and open an issue to the Rogue commit.