

[old way] encapsulate and export the **namespace**

```
let $ = (function() {  
    "use strict";  
  
    let module = {};  
  
    let private = function() {  
        // private is not available from outside  
    }  
  
    module.public = function() {  
        // public is available from outside  
    }  
  
    return module;  
} ());
```

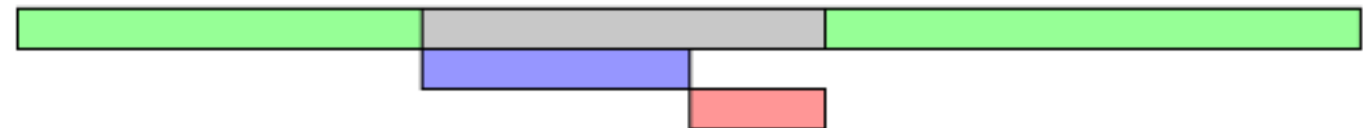
[old way] Loading Javascript

Legend

- HTML parsing
- HTML parsing paused
- Script download
- Script execution

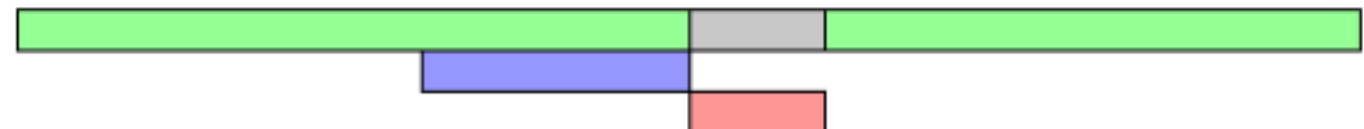
<script>

Let's start by defining what **<script>** without any attributes does. The HTML file will be parsed until the script file is hit, at that point parsing will stop and a request will be made to fetch the file (if it's external). The script will then be executed before parsing is resumed.



<script async>

async downloads the file during HTML parsing and will pause the HTML parser to execute it when it has finished downloading.



<script defer>

defer downloads the file during HTML parsing and will only execute it after the parser has completed. **defer** scripts are also guaranteed to execute in the order that they appear in the document.

