



## Exercise 6: DOM II

*You can upload the files without the need to zip them.*

1. Using the `index.html` file (right below this question) and a Javascript file, make all the following changes in its DOM:
  1. Add at the end of the paragraph a link with the text **Home** that points to the page itself.
  2. Count the number of words in the `<p>` tag and show the count before `<h1>`.
  3. Separate each sentence on a new line (you may use `<br/>` or `<p>` tags). Tip: read the string and use the string's `split` method. From the resulting array, create the new DOM nodes.
  4. Highlight words:
    - a. Highlight in **pink** all words with 8 characters or more.
    - b. Highlight in **purple** all words with 6 characters.
    - c. Highlight in **blue** all words with 4 or 5 characters.

Tip: Use the `<span>` tag.

The `index.html` file:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset = "utf-8" />
    <title> ALICE'S ADVENTURES </title>
  </head>
  <body>

    <h1>ALICE'S ADVENTURES IN WONDERLAND</h1>

    <p>Alice opened the door and found that it led into a small
passage, not much larger than a rat-hole: she knelt down and
looked along the passage into the loveliest garden you ever
saw. How she longed to get out of that dark hall, and wander
about among those beds of bright flowers and those cool
fountains, but she could not even get her head through the
doorway; Mollie even if my head would go through," thought poor
Alice, "it would be of very little use without my shoulders.
Oh, how I wish I could shut up like a telescope! I think I
could, if I only knew how to begin." For, you see, so many
out-of-the-way things had happened lately, that Alice had begun
to think that very few things indeed were really impossible.
There seemed to be no use in waiting by the little door, so she
```



went back to the table, half hoping she might find another key on it, or at any rate a book of rules for shutting people up like telescopes: this time she found a little bottle on it ("which certainly was not here before," said Alice,) and tied round the neck of the bottle was a paper label, with the words "DRINK ME" beautifully printed on it in large letters. It was all very well to say "Drink me," but the wise little Alice was not going to do that in a hurry. "No, I'll look first," she said, "and see whether it's marked 'poison' or not;" for she had read several nice little stories about children who had got burnt and eaten up by wild beasts, and other unpleasant things, all because they would not remember the simple rules their friends had taught them: such as, that a red-hot poker will burn you if you hold it too long; and that, if you cut your finger very deeply with a knife, it usually bleeds; and she had never forgotten that, if you drink much from a bottle marked "poison," it is almost certain to disagree with you, sooner or later.</p>

</body>

</html>

*Good luck!*