Hands On: Querying the Document

In this lesson, we learn how to query the document in HTML. Let's begin!

```
WE'LL COVER THE FOLLOWING
EXERCISE 6-1: Querying the DOM
Exercise starter code
Step 1:
Step 2:
Step 3:
Step 4:
```

The first thing you should focus on is querying the document model.

In the exercise below, you will learn how to do this:

EXERCISE 6-1: Querying the DOM

To save time, you will start with a prepared project that can be found in the Exercise-06-01-Begin folder below:

Exercise starter code

```
// Add your script code here
var titles = document.getElementsByTagName('h2');
for (var i = 0; i < titles.length-1; i++) {
  var title = titles[i];
  document.write('<h2>' + title.textContent + '</h2>');
}
```

To query the DOM, follow these steps:

Step 1:

JavaScript file named **hideandseek.js**. The index.html file contains the code shown in Listing 6-1, with one addition; it includes hideandseek.js:

```
<!DOCTYPE html>
<html>
<head>
  <title>Hide And Seek</title>
  link href="style.css" rel="stylesheet" />
</head>
<body>
  <h2>First Secret</h2>
  <!-- Omitted for the sake of brevity -->
  <script src="hideandseek.js">
  </script>
  </body>
  </html>
```

Step 2:

Run the app. The web page displayed in your browser will be similar to Figure 6-2; it represents the original state of the page.

Step 3:

Open the **hideandseek.js** file. It is empty now. Type in the following code:

```
var titles = document.getElementsByTagName('h2');
for (var i = 0; i < titles.length; i++) {
  var title = titles[i];
  document.write('<h3>' + title.textContent + '</h3>');
}
```

Step 4:

Turn back to the browser. This time the page displays three more lines at the end of the page, as highlighted in the image below:



First Secret

Cras ullamcorper nisi id imperdiet suscipit. Interdum et malesuada fames ac ante ipsum primis in.

Second Secret

Integer pellentesque, augue nec faucibus dapibus, ipsum nisl euismod massa, quis dictum nisl arcu vel.

Mauris faucibus tortor neque, quis fermentum sapien egestas sit amet.

Third Secret

Nulla a orci mi. Pellentesque facilisis elementum facilisis. Vivamus porta mauris et posuere bibendum. Fusce.

First Secret

Second Secret

Third Secret

The script added extra output to the page

In the *next lesson*, we learn the workings of the above exercise!

Stay tuned!