

<script>, <html>markup sequence

Why the code below is not working?

```
<script>

  var inputEle = document.querySelectorAll('input')
  for (var i = 0; i < inputEle.length; i++) {
    inputEle[i].addEventListener('click', function () {
      alert(this.value)
    })
  }

</script>
<form>
  <p id="sayHelloAgain"></p>
  <input type="button" value="Say Hello!" />
  <input type="button" value="Say Hola!" />
  <input type="button" value="Say Bonjour!" />
</form>
```

Answer: Because the <script> is put before the <input>

Explain:

Here's what happens when a browser loads a website with a <script> tag on it:

1. Fetch the HTML page (e.g. index.html)
2. Begin parsing the HTML
3. The parser encounters a <script> tag referencing an external script file.
4. The browser requests the script file. Meanwhile, the parser blocks and stops parsing the other HTML on your page.
5. After some time the script is downloaded and subsequently executed.
6. The parser continues parsing the rest of the HTML document.

In this case, the <script> is loaded after <input>, so it has nothing to execute when the JS is loading.

Solution: put <script> after <html> markup