DOM Demo Creation, Deletion, Manipulation

Demo Video

Create & Attach Elements

1. view the document
2. get the body
   1. `var body = document.getElementsByTagName("body")[0]`
   2. look at what you got `body`. What do you see?

3. create a header
   1. `var title = document.createElement("h2")`
   2. look at what you got `title`
   3. add text to the h2 tag `title.innerText="Learn the DOM"`

4. create a p element
   1. `var paragraph1 = document.createElement("p")`
   2. look at what you got `paragraph1`
   3. add text to the p tag `paragraph1.innerText`

5. create another p element
   1. `var paragraph2 = document.createElement("p")`
   2. look at what you got `paragraph2`
   3. add text to the p tag `paragraph2.innerText`
   4. change the color of the p tag `paragraph2.style.color = "blue"`

6. Attach elements to the body
   1. `body` what do you see?
   2. `body.appendChild(title)`
   3. `body.appendChild(paragraph1)`
   4. `body.appendChild(paragraph2)`
   5. `body` what do you see?

Manipulate an Element

1. change the text color of paragraph2 `paragraph2.style.color = "red"`

Create Nested Elements

1. create a ul element `var ul = document.createElement("ul");`
2. create an li element `var li = document.createElement("li");`
3. append the li element to the ul element `ul.appendChild(li)`
4. append the ul element to the body so it is now attached to the DOM `body.appendChild(ul);`

Delete an Element

1. Delete one of the paragraphs in the body `body.removeChild(paragraph1);`
2. Delete everything in the body `body.innerHTML = "";`

Getting started from nothing

1. Make html and js files
2. link the js file to the html file

Looping Over Elements

1. get the elements, eg:

   `var liList = document.body.getElementsByTagName("li");`

2. look at liList, what is it?

3. iterate over what you get back, eg:

   ```
   for (var i = 0; i < liList.length;
   i++) {
     if (i < 2) {
       liList[i].style.color = "red";
     }
   }
   ```