

## what is the difference between innerHTML and document.createElement :

### **createElement is more performant**

Suppose that you have a div element with the class container:

You can new elements to the div element by creating an element and appending it:

You can also manipulate an element's HTML directly using innerHTML like this:

Using innerHTML is cleaner and shorter when you want to add attributes to the

### **createElement is more secure**

As mentioned in the innerHTML tutorial, you should use it only when the data comes from a trusted source like a database.

## **Using DocumentFragment for composing DOM Nodes**

Assuming that you have a list of elements and you need in each iteration:

This code results in recalculation of styles, painting, and layout every iteration. This is not very efficient.

