Date: 08-6-2020

Morning Session: 9am - 11 PM

By ~ Sundeep Charan Ramkumar Today

Topics: DOM - PART 2

How to create an element & put it inside an HTML document.

There are 3 ways:

- 1) Inject a text node
- 2) Inject a HTML element itself
- 3) Inject a HTML in Strings

These three let you add something to your HTML document.

There are 3 ways to inject a text node

- 1) Text content
- 2) Inner text

(both text content and inner text both these both allow a element tp inject or to retrieve text node inside element itself)

3) Inner HTML (allows you to enter HTML itself)

But all three things should be inside (" ").

All 3 things will rap within the code and then only inject inside DOM.

1) Text content:

h1Tag.textContent = h1Tag.textContent + " DOM - CRUD Operations";

Replace text:

```
h1Tag.textContent = "DOM - CRUD Operations"
```

```
h1Tag.textContent = h1Tag.textContent + " DOM - CRUD Operations";
```

```
h1Tag.textContent = "<div>DOM - CRUD Operations</div>";
```

When ever HTML tag itself printed that moment you should understand that it didn't analyse proper HTML element.

If you change to innerHTML

```
h1Tag.innerHTML = "<div>DOM - CRUD Operations</div>";
```

Div tag not visible.

```
h1Tag.innerHTML = null;
```

Elements are still present but the text content inside will be not present.

Inserting HTML element:

```
// Inserting HTML Elements
var divElement = document.createElement("div"); // <div></div>
var ulTag = document.createElement("ul"); //
```

Append (add at end of tag)

Prepend(after the opening tag)

Insert adjacent element (before end, before begin, after end, after begin)

Appending child element: (adding before closing tag)

Syntax: parentElement.append(childElement)

```
divElement.append(ulTag);
console.log(divElement);
Result:<div>
```

```
Result : <div>

</div>
```

```
var divElement = document.createElement("div"); // <div></div>
var ulTag = document.createElement("ul"); // 
var liELement1 = document.createElement("li"); // 
liELement1.textContent = "List Item 1"; // 
liELement1.textContent = "List Item 1"; // 
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var liELement1.textContent = "List Item 1"; // 
liSt Item 1
var liELement1.textContent = "List
```

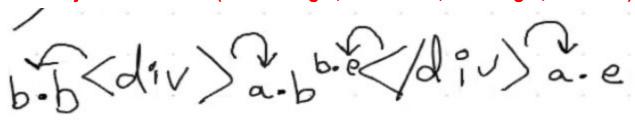
```
▼<div>
▼
List Item 1

</div>
```

prepending child element: (adding before closing tag)

Syntax: parentElement.prepend(childElement)

Insert adjacent element: (beforeBegin, beforeEnd, afterBegin, afterEnd)



Afterbegin:

```
var something = document.querySelector(".something");
var liELement1 = document.createElement("li"); // fiELement1.textContent = "List Item 1"; // List Item 1
something.insertAdjacentElement("afterbegin", liELement1); // 

<l>

<l>

<l>

<
```

Beforebegin:

```
var something = document.querySelector(".something");
var liELement1 = document.createElement("li"); // liELement1.textContent = "List Item 1"; // list Item 1
something.insertAdjacentElement("beforebegin", liELement1); // <uL>li>li></uL>
```

Beforeend:

```
var something = document.querySelector(".something");
var liELement1 = document.createElement("li"); // liELement1.textContent = "List Item 1"; // list Item 1
something.insertAdjacentElement("beforeend", liELement1); // 
// 
// 
// 
// 
//
```

Afterend:

```
var something = document.querySelector(".something");
var liELement1 = document.createElement("li"); // liELement1.textContent = "List Item 1"; // list Item 1
something.insertAdjacentElement("afterend", liELement1); // 
// 
// 
// 
// 
// 
//
```

Insert HTML as strings:

Inserthtml = innerhtml

But innerhtml for one line tags, if more than 5 tag better to use inserthtml

To get child element:

Way to get a value of custom attribute is 2 ways:

1) getAttribute(), 2) dataset

getAttribute:

```
something.children[0].setAttribute("name", "hello there");
```

dataSet:

```
something.children[0].dataset.weather = "rainy";
```

Classlist:

```
var circle = document.createElement('div')

    undefined

 circle
   <div></div>
<·
> circle.classList

⟨ ▶ DOMTokenList [value: ""]

> circle.classList.add("circle")

    undefined

> document.body.prepend(circle)

    undefined

> circle.classList.remove("circle")

    undefined

> circle.classList.add("circle")

    undefined

 circle.classList.toggle("circle")
```



Remove an element:

```
var something = document.querySelector(".something");
something.children[1].remove();
```

Add multiple elements:

3rd method

2nd method

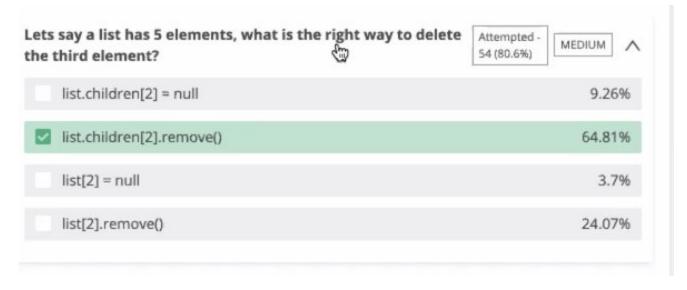
```
var postList = document.createElement('ul')

    undefined

> for (post of posts) {
      var postItem = document.createElement('li')
      postItem.dataset.id = post.id
     var postTitle = document.createElement('h3')
      postTitle.textContent = post.title
      var postBody = document.createElement('p')
      postBody.textContent = post.body
      postItem.appendChild(postTitle)
      postItem.appendChild(postBody)
      postList.appendChild(postItem)
  }
  ▶ ...
  postList
  document.body.append(postList)

    undefined
```

MCQ 1:



MCQ2:

Lets say that we want to add some unique attribute to an element. Would I rather use custom data attributes or just the attribute name without the data naming scheme?

Custom direct

43.86%

Using data naming scheme

57.89%

MCQ3:



MCQ4:

