EXAMPLE 55: SETTING HTML ATTRIBUTES USING THE DOM

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The DOM is very powerful!

We can do a lot with the DOM. Click on the buttons below to see how the DOM can be used to manipulate the contents of the HTML of a page.

Yes! No!

CLICKING YES -

The DOM is very powerful!

We can do a lot with the DOM. Click on the buttons below to

Yes! No!

Yes votes = 3

MY FACE WHEN ITS FRIDAY...

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CLICKING NO -

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Yes! No!

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Yes!   No!

CLICKING YES -   CLICKING NO -

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Yes!   No!   Yes!   No!
Yes votes = 3   # Yes votes = 3
                                       # No votes = 1
MY FACE WHEN ITS FRIDAY...

WE WERE ABLE TO ENTIRELY CHANGE THE APPEARANCE OF THE PAGE IN RESPONSE TO THE USER'S INPUT

THAT'S BECAUSE THE DOM ALLOWS JAVASCRIPT TO DO VIRTUALLY ANYTHING TO THE HTML

WEEKEND'S HERE...YIPEE!!

THAT'S BECAUSE THE DOM ALLOWS JAVASCRIPT TO DO VIRTUALLY ANYTHING TO THE HTML

```html
<img src = "" id = "meme"></img>
```

THE HTML CONTAINS AN IMAGE TAG, WITH ID = "MEME"..

```javascript
yesButton.onclick = function() {
    yesVotes++;
    var yesVotesMessage =
document.getElementById("yesVotes");
    yesVotesMessage.innerHTML = "# Yes votes = <b>" +
yesVotes + "</b><br/>";
    var imageTag = document.getElementById("meme");
    imageTag.setAttribute("src", "MemeExample05-yes.jpg");
}
```

AND THE EVENT HANDLER DOES THE REST!

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GET THE JAVASCRIPT OBJECT FOR THE IMAGE TAG USING
`document.getElementById`

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THEN SET ITS SRC TAG USING `setAttribute`

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HERE WE USE IT TO CUSTOMISE THE IMAGE

setAttribute IS A VERY POWERFUL COMMAND!

THE DOM MAKES JAVASCRIPT INCREDIBLY POWERFUL

document.getElementById IS A VERY POWERFUL COMMAND!