

The background is a solid light orange color. In the center, there is a computer monitor with an orange screen and a white base. To the left of the monitor is a white keyboard with orange keys. Below the keyboard is a white smartphone with an orange screen. To the right of the monitor is a white notebook with an orange cover and a white pencil. The text is centered on the monitor screen.

# Introduction to JavaScript DOM

I can use JavaScript to control  
the "DOM" (Document Object  
Model) of a webpage

The slide features a light gray background with several orange-themed illustrations. At the top center is a computer monitor with a white base. To its left is a keyboard and a mouse. To the right is a notepad with a pencil. At the bottom left is a smartphone. The word 'Starter' is written in a large, bold, black font.

# Starter

Describe of an example where a website responded to something you did. What did you do? How did the website respond?

# Languages of the Web

## HTML



Provides  
structure and  
content for a  
website

## CSS



Controls  
how a website  
looks

## JavaScript



Gives a  
website  
functionality

# Your Notes

- ❖ What is JavaScript DOM?
- ❖ How do you add JS to a website using a script tag?

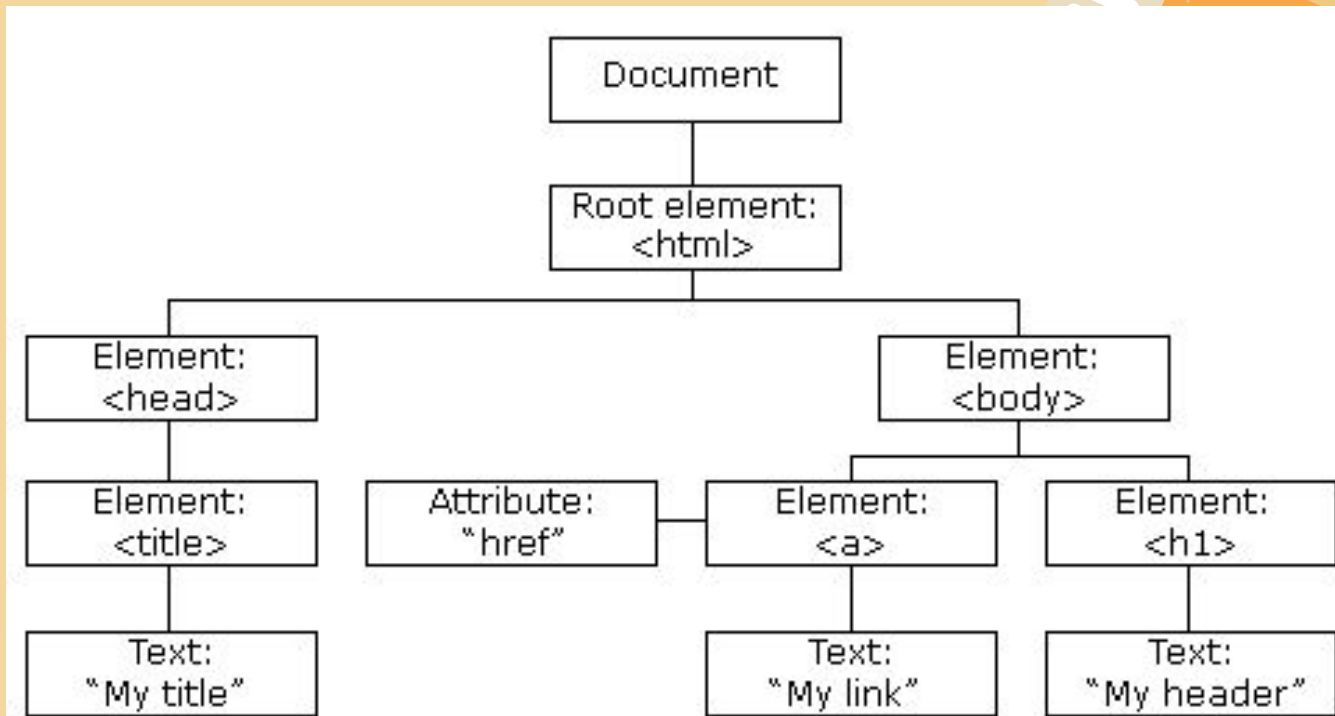
A stylized illustration of a desk setup. At the top center is a computer monitor with an orange screen displaying the text 'DOM'. To the left of the monitor is a white computer mouse. Below the monitor is a white rectangular base. To the left of the base is a white keyboard. To the right of the monitor is a notebook with an orange cover and a grey spine. Below the notebook is a yellow pencil. In the bottom left corner is a yellow smartphone. The background is a solid light orange color.

# DOM

- The HTML DOM is a standard for how to get, change, add, or delete HTML elements.
  - [W3Schools](https://www.w3schools.com/html/default.asp)

# DOM

- Represents HTML/CSS as a tree structure.



# Check for Understanding

Draw a DOM tree for the HTML code below:

```
<html>
```

```
  <title>Learning DOM</title>
```

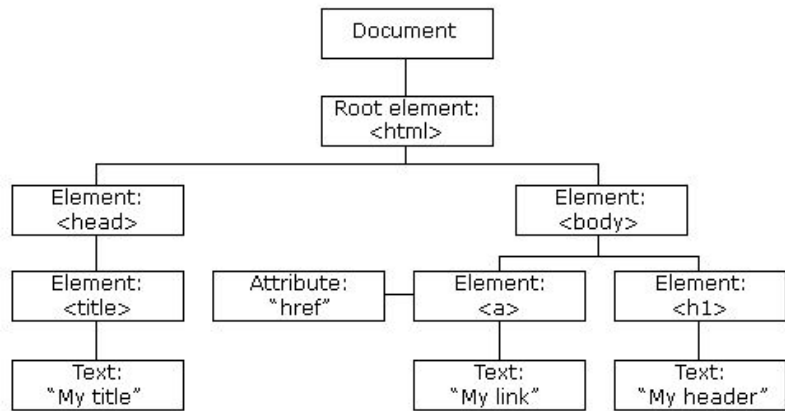
```
  <body>
```

```
    <h1>Document Object Model</h1>
```

```
    <a href="http://w3schools.com">W3Schools</a>
```

```
  </body>
```

```
</html>
```



# To Do

1. Read [How to Add JavaScript to HTML](#)
2. Create a new HTML/CSS/JS project in repl.it.
3. Add code to display the current date in your website. Use either a script tag or script file.
4. Submit your repl.it file on Google Classroom.

## Resource:

[W3Schools DOM Elements](#)

## Homework:

Complete any of the above activities that you did not finish in class.





# Exit Ticket

- ❖ What are two ways you can add JavaScript to a website?

# Standards

- ❖ 9-12.CT.4 Implement a program using a combination of student-defined and third-party functions to organize the computation