

Week 21

Happy Presidents Day!

02/19/2024

Today we will begin by wrapping up the RV Advertisement...

Then begin our segment about JavaScript, Lastly we will create a website about Presidents Day!

<https://youtu.be/zhDIkeqmtO0?si=-MHrlUyplGcTYsPr>

JavaScript:

JavaScript is the programming language of HTML and the Web.

JavaScript is easy to learn.

Why Study JavaScript?

Why learn JavaScript?

JavaScript is one of the **3 languages** all web developers **must** learn:

1. **HTML** to define the content of web pages
2. **CSS** to specify the layout of web pages
3. **JavaScript** to program the behavior of web pages

Web pages are not the only place where JavaScript is used. Many desktop and server programs use JavaScript. Node.js is the best known. Some databases, like MongoDB and CouchDB, also use JavaScript as their programming language.

JavaScript Can Change HTML Content

One of many JavaScript HTML methods is `getElementById()`.

This example uses the method to "find" an HTML element (with id="demo") and changes the element content (`innerHTML`) to "Hello JavaScript":

Example

```
document.getElementById("demo").innerHTML =  
"Hello JavaScript";
```

Example:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p id="demo">JavaScript can change HTML content.</p>
```

```
<button type="button"
```

```
onclick='document.getElementById("demo").innerHTML = "Hello  
JavaScript!'">Click Me!</button>
```

```
</body>
```

```
</html>
```

JavaScript Can Change HTML Styles (CSS)

Changing the style of an HTML element, is a variant of changing an HTML attribute:

Example

```
document.getElementById("demo").style.fontSize  
= "35px";
```

or

```
document.getElementById('demo').style.fontSize =  
'35px';
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p id="demo">JavaScript can hide HTML elements.</p>
```

```
<button type="button"
```

```
onclick="document.getElementById('demo').style.display='none'">
```

```
Click Me!</button>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can hide HTML elements.</p>

<button type="button"
onclick="document.getElementById('demo').style.display='none'">Click Me!</button>

</body>
</html>
```

What Can JavaScript Do?

JavaScript can hide HTML elements.

Click Me!

JavaScript Can Show HTML Elements

Showing hidden HTML elements can also be done by changing the **display** style:

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p>JavaScript can show hidden HTML elements.</p>

<p id="demo" style="display:none">Hello JavaScript!</p>

<button type="button"
onclick="document.getElementById('demo').style.display
='block'">Click Me!</button>

</body>
</html>
```

Next,

Each of you will Design, Create, and Develop

A President's Day - Web Page(s)...

Use your own design and creativity.

Can be multiple pages,
(links with the <a> tag),
Use Dynamic HTML,
Images,
Messages,
Quotes,

Whatever you like...

Feel Free to use the image of
Presidents.png

Also open the file -

ccc - President's Day - Web Page(s)...

CSS_Func_dynamic.html
(use this as you like)...