

Random quote generator

Example of a random quote generator using HTML, CSS, and JavaScript.

Random Quote Generator

"In three words I can sum up everything I've learned about life: it goes on." - Robert Frost

Generate Quote

HTML:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Random Quote Generator</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Random Quote Generator</h1>
    <p id="quote"></p>
    <button id="btn">Generate Quote</button>
  </div>
  <script src="script.js"></script>
</body>
</html>
```

In this HTML code, we have created a simple structure for our random quote generator. We have a container with a heading, a paragraph element with an ID of "quote", and a button with an ID of "btn". We have also linked our CSS and JavaScript files in the head and body sections respectively.

CSS:

```
.container {
    margin: 0 auto;
    max-width: 600px;
    padding: 20px;
    text-align: center;
}

h1 {
    font-size: 36px;
    margin-bottom: 20px;
}

#quote {
    font-size: 24px;
    margin-bottom: 20px;
}

button {
    background-color: #4CAF50;
    border: none;
    color: white;
    padding: 12px 24px;
    text-align: center;
    font-size: 16px;
    cursor: pointer;
}
```

```
border-radius: 4px;
}
```

In this CSS code, we have defined some basic styles for our random quote generator. We have set the container to have a max-width of 600px, centered it on the page, and aligned the text to the center. We have also defined styles for the heading, quote, and button elements.

JavaScript:

```
const quotes = [
  {
    quote: "Be yourself; everyone else is already
taken.",
    author: "Oscar Wilde"
  },
  {
    quote: "Two things are infinite: the universe
and human stupidity; and I'm not sure about the
universe.",
    author: "Albert Einstein"
  },
  {
    quote: "In three words I can sum up everything
I've learned about life: it goes on.",
    author: "Robert Frost"
  },
  {
    quote: "If you tell the truth, you don't have
to remember anything.",
    author: "Mark Twain"
  },
  {
```

```
        quote: "To be yourself in a world that is  
constantly trying to make you something else is the  
greatest accomplishment.",  
        author: "Ralph Waldo Emerson"  
    }  
];
```

```
const btn = document.getElementById('btn');  
const quote = document.getElementById('quote');
```

```
function generateQuote() {  
    const randomIndex = Math.floor(Math.random() *  
quotes.length);  
    quote.innerHTML = '"' + quotes[randomIndex].quote +  
'"' + ' - ' + quotes[randomIndex].author;  
}
```

```
btn.addEventListener('click', generateQuote);
```

In this JavaScript code, we have defined an array of quotes and authors, and then created a function to generate a random quote from the array when the button is clicked. We have used the `Math.floor` and `Math.random` methods to generate a random index within the length of the quotes array, and then used that index to access a random quote and author from the array. We have also added an event listener to the button to trigger the `generateQuote` function when it is clicked.

Overall, this code will display a random quote and author from the quotes array each time the "Generate Quote" button is clicked.

