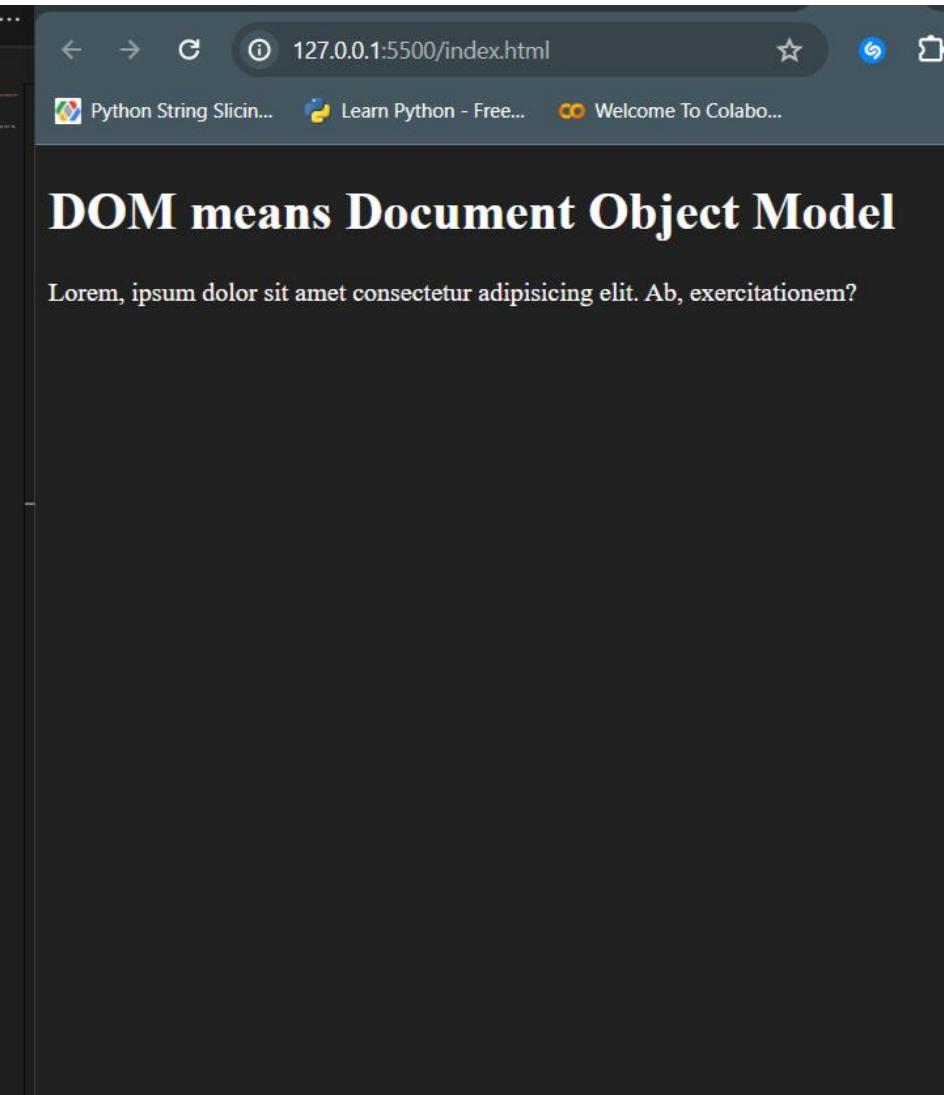


```
index.html X
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1>DOM means Document Object Model</h1>
17         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
18            exercitationem?</p>
19     </div>
20 </body>
21 </html>
```



The screenshot shows a browser window with developer tools open, displaying the DOM structure of an HTML file named index.html.

**Left Panel (DOM Tree):**

- File: index.html
- DOM Structure:
  - index.html > html > body.bg-black > div > p
  - 1 <!DOCTYPE html>
  - 2 <html lang="en">
  - 3 <head>
  - 4 <meta charset="UTF-8">
  - 5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
  - 6 <title>DOM Learning</title>
  - 7 <style>
  - 8 .bg-black{ background-color: #212121; color: #fff; }
  - 9 </style>
  - 10 </head>
  - 11 <body class="bg-black">
  - 12 <div>
  - 13 <h1 id="title">DOM means Document Object Model</h1>
  - 14 <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
  - 15 </div>
  - 16 </body>
  - 17 </html>

**Middle Panel (Preview):**

127.0.0.1:5500/index.html

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

**Right Panel (Console):**

- Elements
- Console
- Default levels ▾ | No Issues
- > document

The screenshot shows a browser developer tools window with three main panes. The left pane displays the HTML code of 'index.html'. The middle pane shows the rendered content of the page. The right pane shows the browser's developer console.

**Left Pane (HTML View):**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, initial-scale=1.
    0">
    <title>DOM Learning</title>
    <style>
        .bg-black{
            background-color: #212121;
            color: #fff;
        }
    </style>
</head>
<body class="bg-black">
    <div>
        <h1 id="title">DOM means Document Object
        Model</h1>
        <p>Lorem, ipsum dolor sit amet
        consectetur adipisicing elit. Ab,
        exercitationem?</p>
    </div>
</body>
</html>
```

**Middle Pane (Preview):**

DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

**Right Pane (Console):**

```
> document
<-- ► #document
    (http://127.0.0.1:5500/index.html)
>
```

The screenshot shows a browser developer tools window with three main panes. The left pane displays the HTML code of 'index.html'. The middle pane shows the rendered page with the title 'DOM means Document Object Model' and a placeholder text 'Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?'. The right pane shows the JavaScript console output.

**index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, initial-scale=1.
        0">
    <title>DOM Learning</title>
    <style>
        .bg-black{
            background-color: #212121;
            color: #fff;
        }
    </style>
</head>
<body class="bg-black">
    <div>
        <h1 id="title" class="heading">DOM means
        Document Object Model</h1>
        <p>Lorem, ipsum dolor sit amet
        consectetur adipisicing elit. Ab,
        exercitationem?</p>
    </div>
</body>
</html>
```

**DOM means Document Object Model**

127.0.0.1:5500/index.html

```
document.getElementById("title")
<h1 id="title" class="heading">DOM means
Document Object Model</h1>
document.getElementById("title").id
'title'
document.getElementById("title").class
undefined
document.getElementById("title").className
'heading'
```

The screenshot shows a browser developer tools window with the following components:

- Left Panel:** Shows the DOM tree for the file "index.html". The root node is "index.html", which contains "html", "body.bg-black", "div", and "h1#title.heading". The "h1" node has the text "DOM means Document Object Model".
- Center Panel:** Displays the rendered HTML page with the title "DOM means Document Object Model" and a placeholder text "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?".
- Right Panel:** Shows the browser's address bar with the URL "127.0.0.1:5500/index.html". Below it is the browser's header with tabs for "Python String Slicin...", "Learn Python - Free...", and "Welcome To Colabo...". The developer tools sidebar includes icons for file, search, and refresh. The main area has tabs for "Elements", "Console", and "Elements" (which is currently selected). The "Console" tab displays the following JavaScript code and its output:

```
> document.getElementById("title")
<h1 id="title" class="heading">DOM means Document Object Model</h1>
> document.getElementById("title").id
<'title'
> document.getElementById("title").className
<'undefined'
> document.getElementById("title").getAttribute('id')
<'title'
> document.getElementById("title").getAttribute('class')
<'heading'
>
```

```
index.html > html > body.bg-black > div > h1#title.heading
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object Model</
17         h1>
18         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
19             exercitationem?</p>
20     </div>
21 </body>
22 </html>
```



Python String Slicin... Learn Python - Free... Welcome To Colabo...

All Bookmarks

## DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

```
Elements Console > | ⚙ : X
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>DOM Learning</title>
    </head>
    <body class="bg-black">
        <div>
            <h1 id="title" class="heading">DOM means Document Object Model</h1> == $0
            <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
        </div>
        <!-- Code injected by live-server -->
    </body>
</html>
```

The image shows a split-screen development environment. On the left is a code editor with a dark theme displaying the file `index.html`. The code defines a simple HTML structure with a black background and a white title. On the right is a web browser window showing the rendered document. The browser's developer tools are open, specifically the Elements tab, which shows the live DOM tree. The title "DOM means Document Object Model" is present, along with a placeholder text "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?". A script block is also visible in the DOM tree.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>DOM Learning</title>
<style>
    .bg-black{
        background-color: #212121;
        color: #fff;
    }
</style>
</head>
<body class="bg-black">
<div>
    <h1 id="title" class="heading">DOM means Document Object Model</h1>
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
</div>
</body>
</html>
```

DOM means Document Object Model

127.0.0.1:5500/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>DOM Learning</title>
<style>...</style>
</head>
<body class="bg-black">
<div>
    <h1 id="title" class="customClass">DOM means Document Object Model</h1> == $0
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
</div>
<!-- Code injected by live-server --&gt;
&lt;script&gt;...&lt;/script&gt;
&lt;/body&gt;
&lt;/html&gt;</pre>
```

```
index.html X
index.html > html > body.bg-black > div > h1#title.heading
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object Model</
17         h1>
18         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
19             exercitationem?</p>
20     </div>
21 </body>
22 </html>
```

127.0.0.1:5500/index.html

Python String Slicin... Learn Python - Free... Welcome To Colabo...

## DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

Elements Console

Default levels ▾ No Issues

```
> document.getElementById("title").setAttribute('class', 'customClass')
< undefined
> document.getElementById("title").setAttribute('class', 'heading customClass')
< undefined
> |
```

The screenshot displays a web development setup with three main components: a code editor, a browser preview, and a developer tools panel.

**Code Editor:** On the left, the file `index.html` is open in a code editor. The code defines a simple HTML structure with a black background and white text. A CSS rule is applied to the body element to set its background color to black and text color to white.

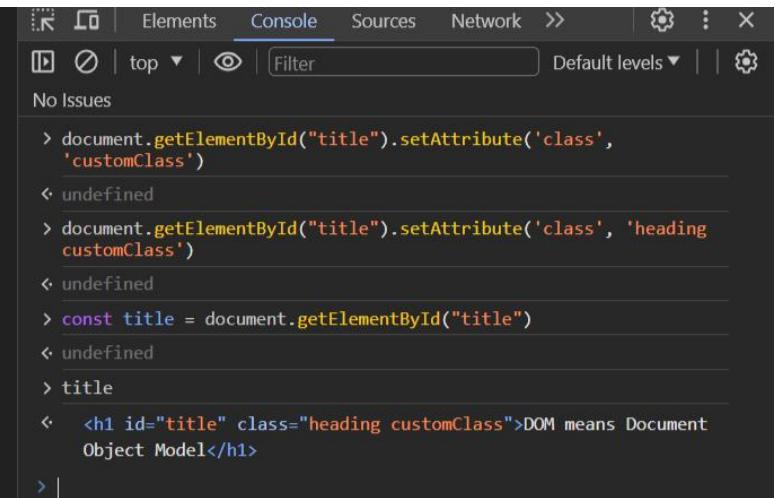
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Learning</title>
    <style>
        .bg-black{
            background-color: #212121;
            color: #fff;
        }
    </style>
</head>
<body class="bg-black">
    <div>
        <h1 id="title" class="heading">DOM means Document Object Model</h1>
        <h1>
            <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
        </h1>
    </div>
</body>
</html>
```

**Browser Preview:** In the center, a browser window shows the rendered HTML. The page has a black background and white text. The title "DOM Learning" is displayed in a large, bold font at the top, followed by a paragraph of placeholder text.

**Developer Tools:** On the right, the browser's developer tools are open, specifically the Elements tab. It shows the DOM tree corresponding to the rendered page. The `h1` element with the ID "title" is highlighted, matching the styling defined in the code editor.

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



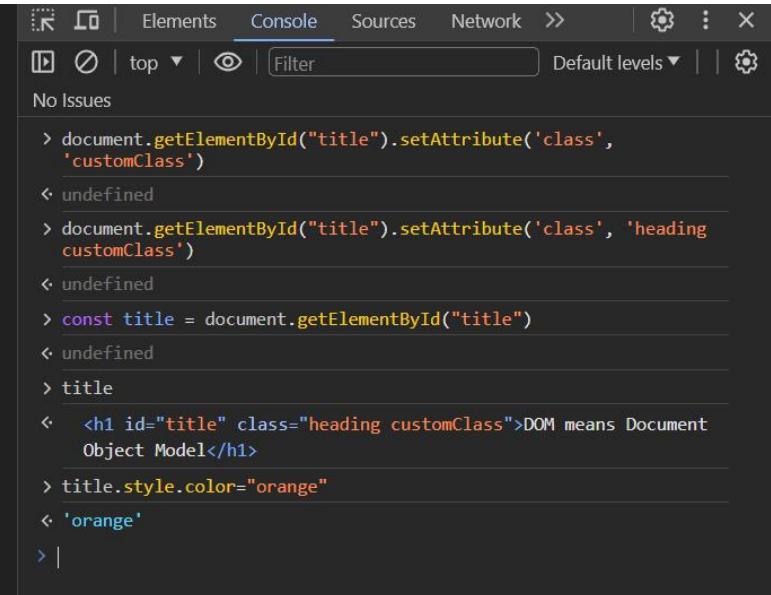
The screenshot shows the browser's developer tools open to the 'Console' tab. The console output displays the following sequence of commands and their results:

```
> document.getElementById("title").setAttribute('class', 'customClass')
< undefined
> document.getElementById("title").setAttribute('class', 'heading customClass')
< undefined
> const title = document.getElementById("title")
< undefined
> title
< h1 id="title" class="heading customClass">DOM means Document Object Model</h1>
> |
```

The code demonstrates setting multiple classes on an element with ID "title". The first two lines set the 'class' attribute to 'customClass' and 'heading customClass' respectively. The third line creates a variable 'title' pointing to the element. The fourth line logs the element itself to the console, showing it has the expected class values.

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



A screenshot of a browser's developer tools console. The tabs at the top are Elements, Console, Sources, and Network. The Console tab is selected. The interface includes a toolbar with icons for back, forward, search, and refresh, and dropdown menus for top, filter, and settings. Below the toolbar, the text "No Issues" is displayed. The main area shows a series of JavaScript commands and their results:

```
> document.getElementById("title").setAttribute('class',  
'customClass')  
< undefined  
> document.getElementById("title").setAttribute('class', 'heading  
customClass')  
< undefined  
> const title = document.getElementById("title")  
< undefined  
> title  
< 

# DOM means Document Object Model

  
> title.style.color="orange"  
< 'orange'  
> |
```

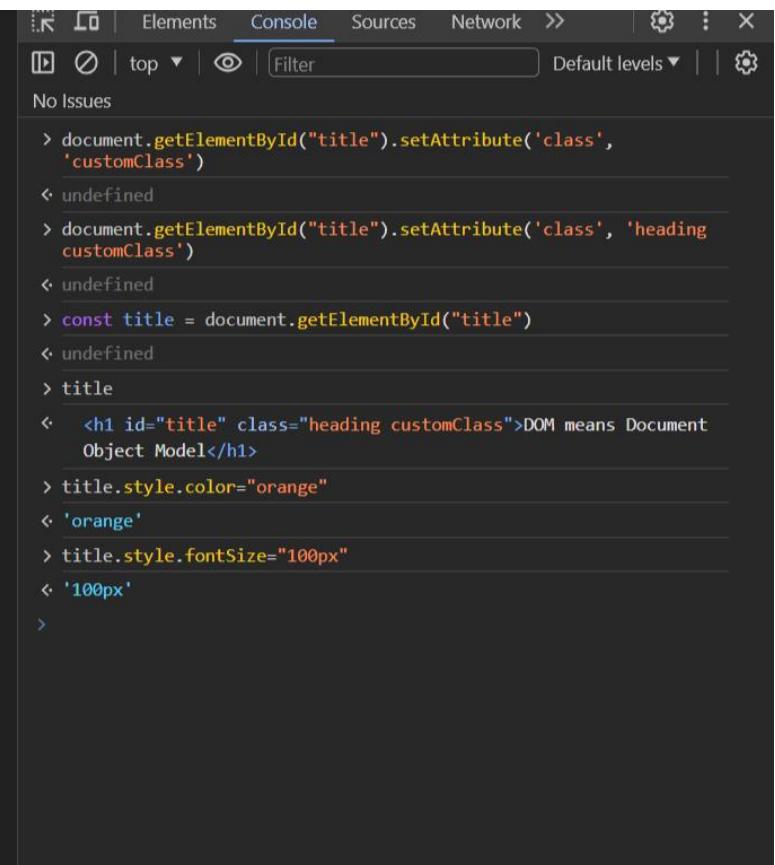
# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Learning</title>
    <style>@</style>
  </head>
  <body class="bg-black">
    <div>
      <h1 id="title" class="heading customClass" style="color: orange;">
        DOM means Document Object Model</h1> == $0
      <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
    </div>
    <!-- Code injected by live-server -->
    <script>@</script>
  </body>
</html>
```

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

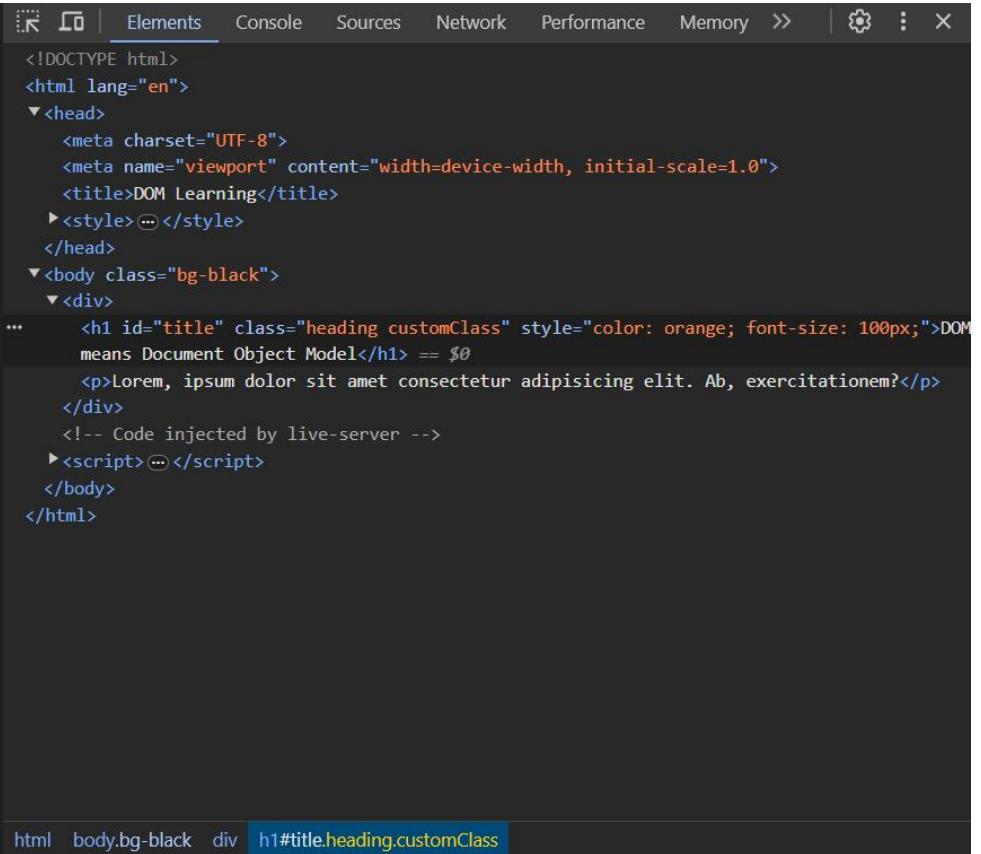


A screenshot of a browser's developer tools console tab. The console shows a series of JavaScript commands and their results. The code demonstrates how to change the class of an element with id "title" to "heading" and then set its style properties to orange color and 100px font size.

```
> document.getElementById("title").setAttribute('class',  
  'customClass')  
< undefined  
> document.getElementById("title").setAttribute('class', 'heading  
  customClass')  
< undefined  
> const title = document.getElementById("title")  
< undefined  
> title  
< <h1 id="title" class="heading customClass">DOM means Document  
  Object Model</h1>  
> title.style.color="orange"  
< 'orange'  
> title.style.fontSize="100px"  
< '100px'  
>
```

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



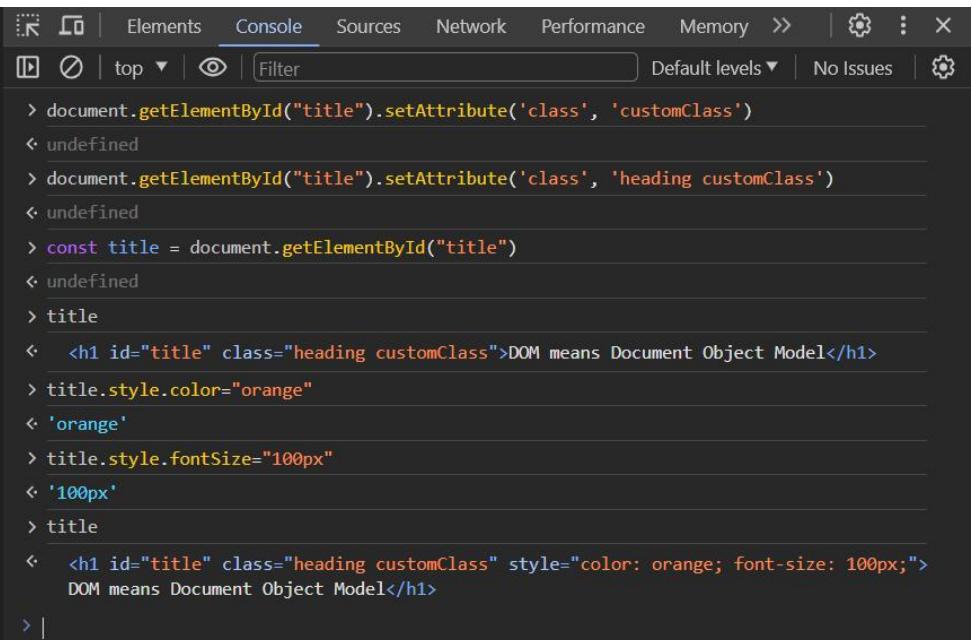
The screenshot shows the 'Elements' tab of a browser's developer tools. The DOM tree is displayed on the left, and the corresponding HTML code is shown on the right. The code includes the DOCTYPE, HTML, head, and body sections. The title is set to 'DOM Learning'. The body contains an H1 element with the text 'DOM means Document Object Model'. A script tag is also present. The status bar at the bottom indicates the selected elements: html, body.bg-black, div, and h1#title.heading.customClass.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Learning</title>
    ><style>...</style>
  </head>
  <body class="bg-black">
    ><div>
      ...><h1 id="title" class="heading customClass" style="color: orange; font-size: 100px;">DOM
      means Document Object Model</h1> == $0
      <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
    </div>
    <!-- Code injected by live-server -->
    ><script>...</script>
  </body>
</html>
```

html body.bg-black div h1#title.heading.customClass

# DOM means Document Object Model

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem

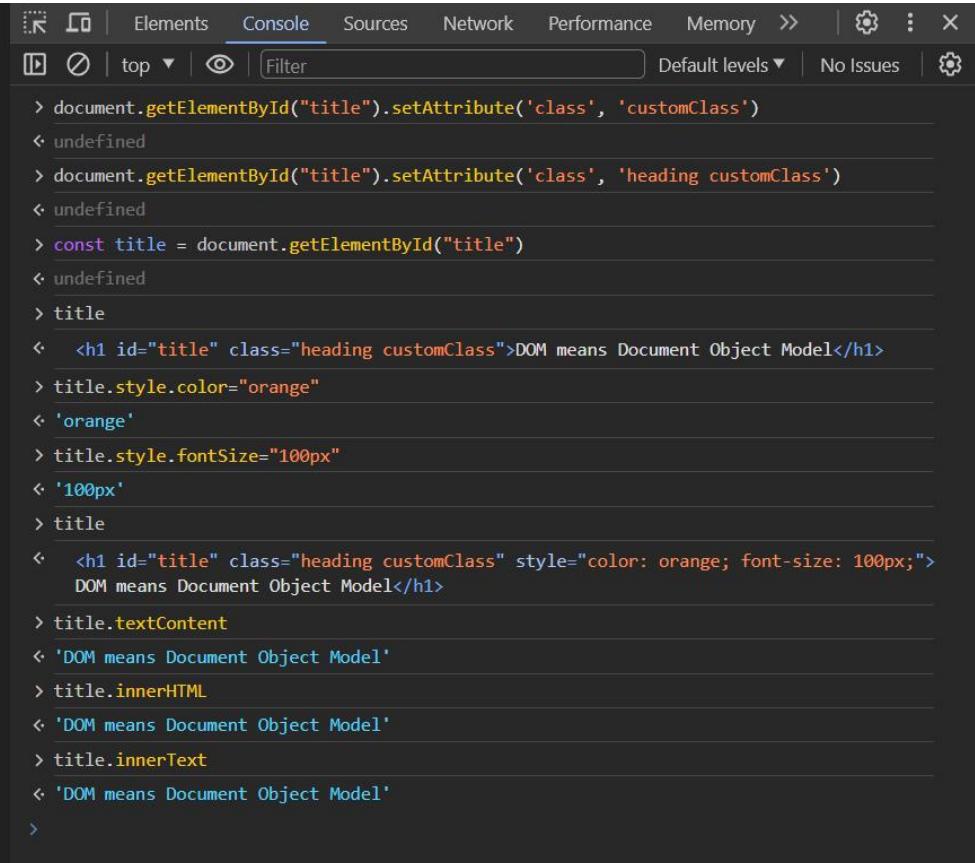


A screenshot of a browser's developer tools console tab. The console shows the following JavaScript code being run:

```
> document.getElementById("title").setAttribute('class', 'customClass')
< undefined
> document.getElementById("title").setAttribute('class', 'heading customClass')
< undefined
> const title = document.getElementById("title")
< undefined
> title
<   <h1 id="title" class="heading customClass">DOM means Document Object Model</h1>
> title.style.color="orange"
< 'orange'
> title.style.fontSize="100px"
< '100px'
> title
<   <h1 id="title" class="heading customClass" style="color: orange; font-size: 100px;">
    DOM means Document Object Model</h1>
> |
```

# DOM means Document Object Model

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem.



The screenshot shows a browser's developer tools with the 'Console' tab selected. The console output displays a series of JavaScript commands and their results, illustrating how the Document Object Model (DOM) is manipulated. The code includes setting attributes, creating a variable for the title element, and modifying its style and text content. The final output shows the element with the specified ID, class, and style applied.

```
> document.getElementById("title").setAttribute('class', 'customClass')
< undefined
> document.getElementById("title").setAttribute('class', 'heading customClass')
< undefined
> const title = document.getElementById("title")
< undefined
> title
< <h1 id="title" class="heading customClass">DOM means Document Object Model</h1>
> title.style.color="orange"
< 'orange'
> title.style.fontSize="100px"
< '100px'
> title
< <h1 id="title" class="heading customClass" style="color: orange; font-size: 100px;">DOM means Document Object Model</h1>
> title.textContent
< 'DOM means Document Object Model'
> title.innerHTML
< 'DOM means Document Object Model'
> title.innerText
< 'DOM means Document Object Model'
>
```

The screenshot shows a browser window with the URL `127.0.0.1:5500/index.html`. The left panel displays the `index.html` file content:

```
index.html X
index.html > html > body.bg-black > div > h1#title.heading > span
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width,
7          initial-scale=1.0">
8      <title>DOM Learning</title>
9      <style>
10         .bg-black{
11             background-color: #212121;
12             color: #fff;
13         }
14     </style>
15 </head>
16 <body class="bg-black">
17     <div>
18         <h1 id="title" class="heading">DOM
19             means Document Object Model<span> How
20             Objects Work</span></h1>
21             <p>Lorem, ipsum dolor sit amet
22             consectetur adipisicing elit. Ab,
23             exercitationem?</p>
24     </div>
25 </body>
26 </html>
```

The center panel shows the rendered page with the title "DOM means Document Object Model" and the subtitle "How Objects Work". Below the title is a paragraph of placeholder text: "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?". The right panel shows the developer tools' Elements and Console tabs.

The screenshot shows a browser window with developer tools open. On the left is the DOM tree for the file `index.html`. The main area displays the page content with a dark background and white text. A JavaScript console on the right shows the execution of code related to the DOM object `title`.

**DOM Tree (Left):**

```
index.html X
index.html > html > body.bg-black > div > h1#title.heading > span
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width,
7          initial-scale=1.0">
8      <title>DOM Learning</title>
9      <style>
10         .bg-black{
11             background-color: #212121;
12             color: #fff;
13         }
14     </style>
15 </head>
16 <body class="bg-black">
17     <div>
18         <h1 id="title" class="heading">DOM
19             means Document Object Model<span> How
20             Objects Work</span></h1>
21             <p>Lorem, ipsum dolor sit amet
22             consectetur adipisicing elit. Ab,
23             exercitationem?</p>
24     </div>
25 </body>
26 </html>
```

**Page Preview (Center):**

DOM means Document Object Model  
How Objects Work

DOM means Document Object Model How Objects Work

**JavaScript Console (Right):**

```
127.0.0.1:5500/index.html
Python String Slicin... Learn Python - Free... Welcome To Colabo... what is software - G... Colab Notebooks ...
Elements Console > Filter Default levels ▾ No Issues
> const title = document.getElementById("title")
< undefined
> title.textContent
< 'DOM means Document Object Model How Objects W
ork'
> title.innerText
< 'DOM means Document Object Model How Objects W
ork'
>
```

```
index.html > html > body.bg-black > div > h1#title.heading > sp
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width,
7          initial-scale=1.0">
8      <title>DOM Learning</title>
9      <style>
10         .bg-black{
11             background-color: #212121;
12             color: #fff;
13         }
14     </style>
15 </head>
16 <body class="bg-black">
17     <div>
18         <h1 id="title" class="heading">DOM
19             means Document Object Model<span
20                 style="display: none;"> How Objects
21                 Work</span></h1>
22         <p>Lorem, ipsum dolor sit amet
23             consectetur adipisicing elit. Ab,
24             exercitationem?</p>
25     </div>
26 </body>
27 </html>
```

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

Python String Slicin...

Learn Python - Free...

Welcome To Colabo...

what is software - G...

Colab Notebooks -...

>

All Bookmarks

Elements Console > | Default levels ▾ | No Issues

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport"
6       content="width=device-width,
7         initial-scale=1.0">
8     <title>DOM Learning</title>
9     <style>
10       .bg-black{
11         background-color: #212121;
12         color: #fff;
13       }
14     </style>
15   </head>
16   <body class="bg-black">
17     <div>
18       <h1 id="title" class="heading">DOM
19         means Document Object Model<span
20           style="display: none;"> How Objects
21             Work</span></h1>
22       <p>Lorem, ipsum dolor sit amet
23         consectetur adipisicing elit. Ab,
24         exercitationem?</p>
25     </div>
26   </body>
27 </html>
```

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

The screenshot shows a browser window with developer tools open. The title bar includes tabs for Python String Slicin..., Learn Python - Free..., Welcome To Colabo..., what is software - G..., Colab Notebooks - ..., and All Bookmarks. The developer tools interface has tabs for Elements, Console, Sources, and a navigation icon. The Console tab is active, showing the following output:

```
> title.textContent
< 'DOM means Document Object Model How Objects Work'
> title.innerText
< 'DOM means Document Object Model'
> |
```

The output consists of three lines of text, each starting with a greater than symbol (>) and followed by the result of a JavaScript expression. The first two lines correspond to the `title.textContent` and `title.innerText` properties of the `title` element, both returning the string 'DOM means Document Object Model How Objects Work'. The third line is a blank line.

The screenshot shows a browser window with developer tools open. On the left, the DOM tree displays the structure of the page, starting from the root element index.html and branching down through html, body, div, h1, and a span element. The code editor on the left contains the HTML and CSS code for the page. The main content area displays the heading "DOM means Document Object Model" and a paragraph of placeholder text. The browser's address bar shows the URL "https://www.w3schools.com/html/html\_DOM.asp". The developer tools on the right include the Elements, Console, and Sources tabs, with the Console tab active. The console output shows various DOM properties and methods being accessed.

```
index.html > html > body.bg-black > div > h1#title.heading > span
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width,
7          initial-scale=1.0">
8      <title>DOM Learning</title>
9      <style>
10         .bg-black{
11             background-color: #212121;
12             color: #fff;
13         }
14     </style>
15 </head>
16 <body class="bg-black">
17     <div>
18         <h1 id="title" class="heading">DOM
19             means Document Object Model<span
20                 style="display: none;"> How Objects
21                 Work</span></h1>
22         <p>Lorem, ipsum dolor sit amet
23             consectetur adipisicing elit. Ab,
24             exercitationem?</p>
25     </div>
26 </body>
27 </html>
```

DOM means Document Object Model

DOM means Document Object Model How Objects Work

No Issues

```
index.html > html > body.bg-black > div > h1#title.heading > span
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width,
7          initial-scale=1.0">
8      <title>DOM Learning</title>
9      <style>
10         .bg-black{
11             background-color: #212121;
12             color: #fff;
13         }
14     </style>
15 </head>
16 <body class="bg-black">
17     <div>
18         <h1 id="title" class="heading">DOM
19             means Document Object Model<span
20                 style="display: none;"> How Objects
21                 Work</span></h1>
22         <p>Lorem, ipsum dolor sit amet
23             consectetur adipisicing elit. Ab,
24             exercitationem?</p>
25     </div>
26 </body>
27 </html>
```

# DOM means Document Object Model

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

The screenshot shows a browser's developer tools open to the 'Console' tab. The command `document.getElementsByClassName("heading")` is entered, and the result is displayed as an `HTMLCollection` object. This collection contains one item, which is an `h1` element with the ID "title". The properties and methods of the `HTMLCollection` object are listed, including `length`, `[[Prototype]]`, and various iterator and array-like methods.

```
> document.getElementsByClassName("heading")
< HTMLCollection [h1#title.heading, title: h1#title.heading] i
  ▶ 0: h1#title.heading
  ▶ title: h1#title.heading
  length: 1
  [[Prototype]]: HTMLCollection
    ▶ item: f item()
    length: (...)

  ▶ namedItem: f namedItem()
  ▶ constructor: f HTMLCollection()
  ▶ Symbol(Symbol.iterator): f values()
  Symbol(Symbol.toStringTag): "HTMLCollection"
  ▶ get length: f length()
  ▶ [[Prototype]]: Object
    ▶ constructor: f Object()
    ▶ hasOwnProperty: f hasOwnProperty()
    ▶ isPrototypeOf: f isPrototypeOf()
    ▶ propertyIsEnumerable: f propertyIsEnumerable()
    ▶ toLocaleString: f toLocaleString()
    ▶ toString: f toString()
    ▶ valueOf: f valueOf()
    ▶ __defineGetter__: f __defineGetter__()
    ▶ __defineSetter__: f __defineSetter__()
    ▶ __lookupGetter__: f __LookupGetter__()
    ▶ __lookupSetter__: f __LookupSetter__()
    __proto__: (...)

  ▶ get __proto__: f __proto__()
  ▶ set __proto__: f __proto__()
```

The screenshot shows a browser window with the following details:

- Address Bar:** index.html
- Tab Bar:** Python String Slicin..., Learn Python - Free..., Welcome To Colabo..., what is software - G..., Colab Notebooks - ..., All Bookmarks
- Left Panel (Code View):** The code editor displays the HTML file content. The CSS part includes a rule for ".bg-black" with a background color of #212121 and white text (#fff). The main content area contains an 

# element with the text "DOM means Document Object Model". A element with a "display: none;" style is present, containing the text "How Objects Work". ``` index.html > html > body.bg-black > div > h1#title.heading > span 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" 6 content="width=device-width, 7 initial-scale=1.0"> 8 <title>DOM Learning</title> 9 <style> 10 .bg-black{ 11 background-color: #212121; 12 color: #fff; 13 } 14 </style> 15 </head> 16 <body class="bg-black"> 17 <div> 18 <h1 id="title" class="heading">DOM 19 means Document Object Model<span 20 style="display: none;"> How Objects 21 Work</span></h1> 22 <p>Lorem, ipsum dolor sit amet 23 consectetur adipisicing elit. Ab, 24 exercitationem?</p> 25 </div> 26 </body> 27 </html> ```
- Right Panel (Inspector):** The Elements tab is selected. It shows the DOM tree:
  - > document.querySelector("h1")
  - < ▼<h1 id="title" class="heading">
    - "DOM means Document Object Model"
    - <span style="display: none;"> How Objects Work</span>
  - </h1>
  - >

```
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6  <title>DOM Learning</title>
7  <style>
8      .bg-black{
9          background-color: #212121;
10         color: #fff;
11     }
12 </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17         Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam
20         labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22         </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
24         exercitationem?</p>

```

Python String Slicin... Learn Python - Free... Welcome To Colabo...

Elements Console Filter Default levels ▾ No Issues

# DOM means Document Object Model

**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

```
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6          0">
7      <title>DOM Learning</title>
8      <style>
9          .bg-black{
10              background-color: #212121;
11              color: #fff;
12          }
13      </style>
14  </head>
15  <body class="bg-black">
16      <div>
17          <h1 id="title" class="heading">DOM means Document Object
18              Model<span style="display: none;"> How Objects Work</span></h1>
19          <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
20          <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
21              labore!</h2>
22          <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
23              </h2>
24          <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
25              exercitationem?</p>
26      </div>
27  </body>
28 </html>
```

Python String Slicin... Learn Python - Free... Welcome To Colabo... All Bookmarks

Elements Console Filter Default levels No Issues

```
> document.querySelector("h2")
<h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
>
```

## DOM means Document Object Model

**Lorem ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidentum adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.
6   0">
7   <title>DOM Learning</title>
8   <style>
9     .bg-black{
10       background-color: #212121;
11       color: #fff;
12     }
13 </style>
14 </head>
15 <body class="bg-black">
16   <div>
17     <h1 id="title" class="heading">DOM means Document Object
18       Model<span style="display: none;"> How Objects Work</span></h1>
19     <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
20     <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam
21       labore!</h2>
22     <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
23     </h2>
24     <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
25       exercitationem?</p>
26   </div>
27 </body>
28 </html>
```

The screenshot shows a browser window with developer tools open. The console tab is selected. At the top, there are tabs for Elements, Console, and Filter. The filter bar has 'top' selected. Below the tabs, there's a list of objects and their properties.

```
> document.querySelector("h2")
< h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.
> document.querySelectorAll("h2")
< NodeList(3) [h2, h2, h2] i
  ▷ 0: h2
  ▷ 1: h2
  ▷ 2: h2
  length: 3
  [[Prototype]]: NodeList
    ▷ entries: f entries()
    ▷ forEach: f forEach()
    ▷ item: f item()
    ▷ keys: f keys()
    ▷ length: (...)

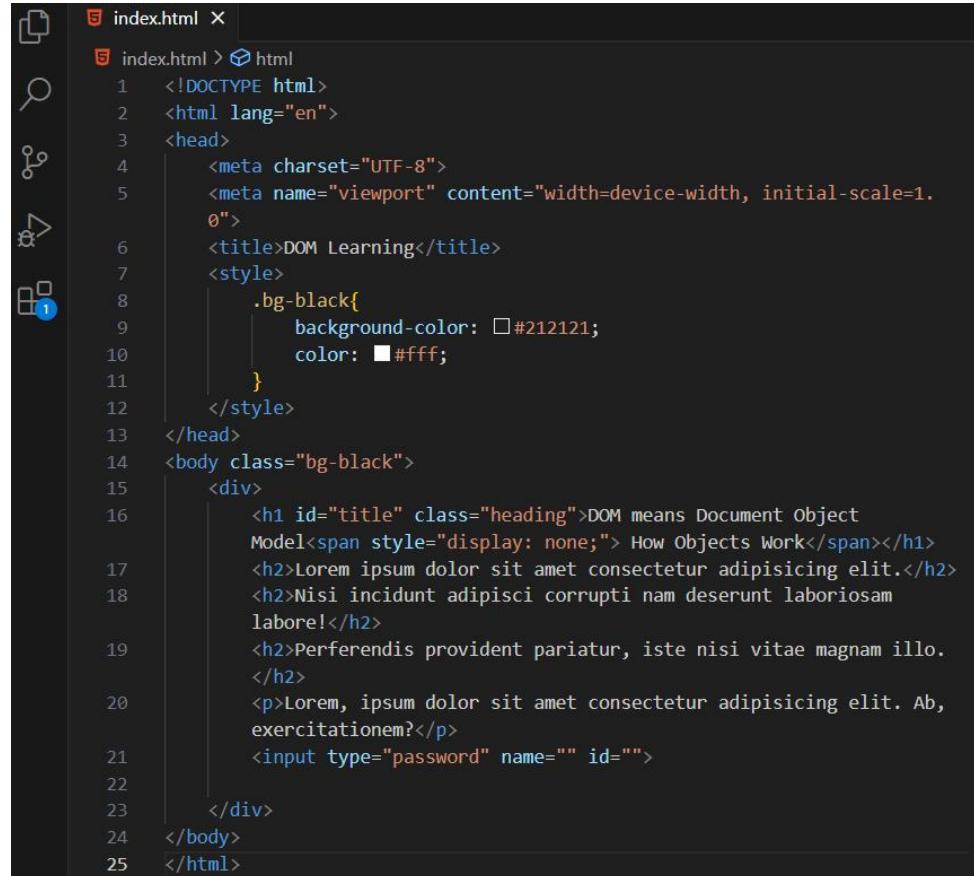
    ▷ values: f values()
    ▷ constructor: f NodeList()
    ▷ Symbol(Symbol.iterator): f values()
    ▷ Symbol(Symbol.toStringTag): "NodeList"
    ▷ get length: f length()
    ▷ [[Prototype]]: Object
```

On the left side of the main area, there are three sections of text:

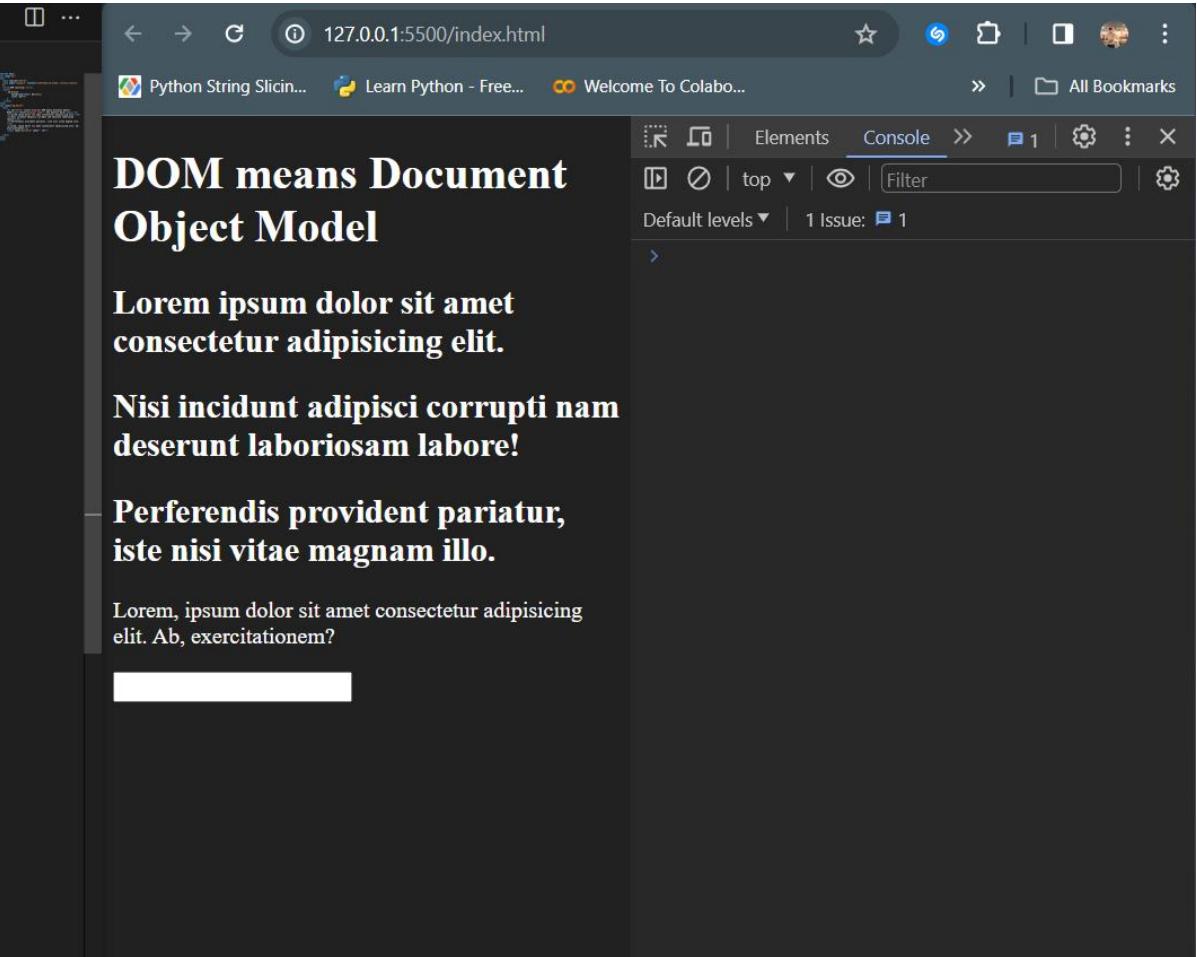
- DOM means Document Object Model**
- Lore ipsum dolor sit amet consectetur adipisicing elit.**
- Nisi incidunt adipisci corrupti nam deserunt laboriosam labore!**

Below the first section, there is a note:  
Perferendis provident pariatur,  
iste nisi vitae magnam illo.

And below the second section:  
Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



```
index.html
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object Model<span style="display: none;"> How Objects Work</span></h1>
17         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
18         <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam labore!</h2>
19         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.</h2>
20         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
21         <input type="password" name="" id="">
22     </div>
23 </body>
24 </html>
```



The browser window displays the rendered content of the HTML document. The title is "DOM means Document Object Model". The body contains several headings and a paragraph of placeholder text. The styling is applied via inline styles and a CSS class defined in the code editor.

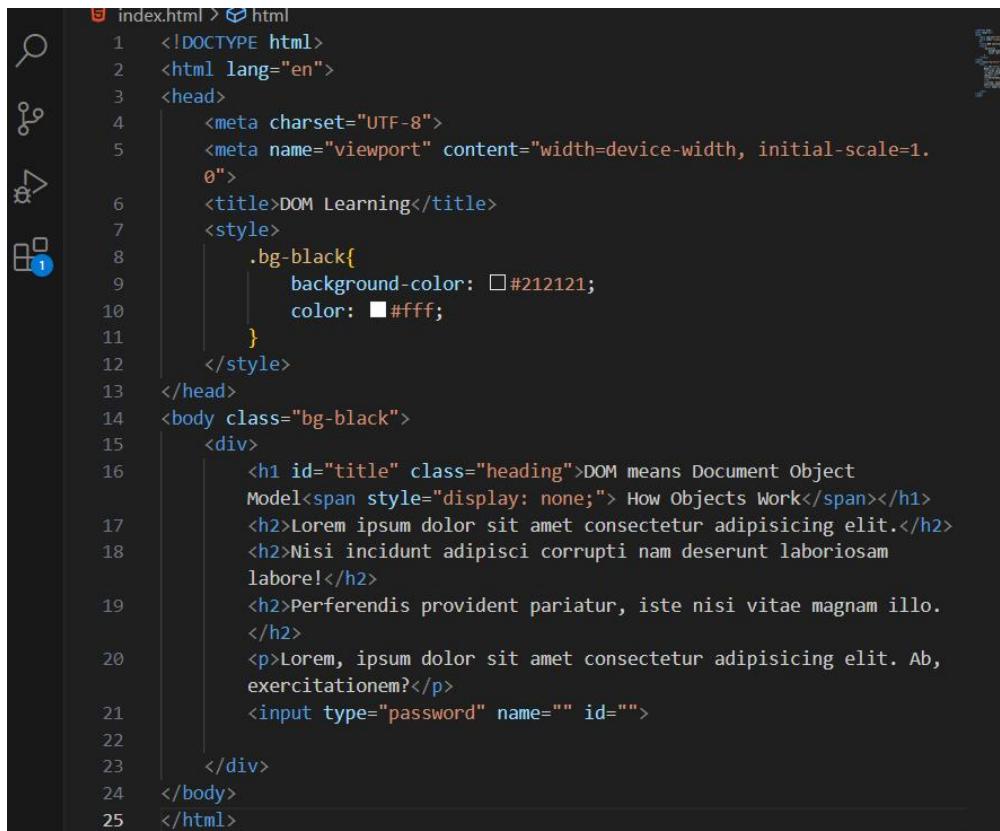
DOM means Document Object Model

**Lore ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

Placeholder text: Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



```
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
7      <title>DOM Learning</title>
8      <style>
9          .bg-black{
10              background-color: #212121;
11              color: #fff;
12          }
13      </style>
14  </head>
15  <body class="bg-black">
16      <div>
17          <h1 id="title" class="heading">DOM means Document Object
18              Model<span style="display: none;"> How Objects Work</span></h1>
19          <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
20          <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam
21              labore!</h2>
22          <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
23          </h2>
24          <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab,
25              exercitationem?</p>
26          <input type="password" name="" id="">
27      </div>
28  </body>
29  </html>
```

## DOM means Document Object Model

**Lorem ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



Python String Slicin... Learn Python - Free... Welcome To Colabo...

Elements Console Filter Default levels ▾ 1 Issue: 1

```
> document.querySelector("#title")
<h1 id="title" class="heading"><...></h1>
> document.querySelector(".heading")
<h1 id="title" class="heading"><...></h1>
> |
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.
6   0">
6   <title>DOM Learning</title>
7   <style>
8     .bg-black{
9       background-color: #212121;
10      color: #fff;
11    }
12  </style>
13 </head>
14 <body class="bg-black">
15   <div>
16     <h1 id="title" class="heading">DOM means Document Object
17     Model<span style="display: none;"> How Objects Work</span></h1>
18     <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19     <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
20     labore!</h2>
21     <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22     </h2>
23     <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24     Ab, exercitationem?</p>
25     <input type="password" name="" id="">

```

# DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectet*ur* adipisic*ing* elit.**

**Nisi incident*u*nt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

*Lore*m*, ipsum dolor sit amet consectetur adipisicing  
elit. Ab, exercitationem?*



Python String Slicin... Learn Python - Free... Welcome To Colabo...

Elements Console Filter Default levels 1 Issue: 1

```
> document.querySelector('input[type="password"]')
)
< input type="password" name id>
> |
```

index.html

```
index.html > html > body.bg-black > div > ul
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6  <title>DOM Learning</title>
7  <style>
8      .bg-black{
9          background-color: #212121;
10         color: #fff;
11     }
12 </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17             Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
20             labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22             </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24             Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26     <ul>
27         <li>lorem1</li>
28         <li>lorem2</li>
29         <li>lorem3</li>
30         <li>lorem4</li>
31     </ul>
32     </div>
33 </body>
```

127.0.0.1:5500/index.html

Python String Slicin... Learn Python - Free... Welcome To Colabo...

# DOM means Document Object Model

**Lore ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidentum adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

• lorem1  
• lorem2  
• lorem3  
• lorem4

Default levels ▾ 1 Issue: 1

```
> document.querySelector("ul")
<ul>
    <li>...</li>
    <li>...</li>
    <li>...</li>
    <li>...</li>
</ul>
```

```

index.html x
index.html > html > body.bg-black > div > ul
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
7      <title>DOM Learning</title>
8      <style>
9          .bg-black{
10              background-color: #212121;
11              color: #fff;
12          }
13      </style>
14  </head>
15  <body class="bg-black">
16      <div>
17          <h1 id="title" class="heading">DOM means Document Object
18              Model<span style="display: none;"> How Objects Work</span></h1>
19          <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
20          <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
21              labore!</h2>
22          <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
23          </h2>
24          <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
25              Ab, exercitationem?</p>
26          <input type="password" name="" id="">
27          <ul>
28              <li>lorem1</li>
29              <li>lorem2</li>
            <li>lorem3</li>
            <li>lorem4</li>
        </ul>
    </div>
</body>

```

The browser window shows the rendered HTML content:

# DOM means Document Object Model

**DOM means Document Object Model**

**Nisi incidentum adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

lorem ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

lorem1  
lorem2  
lorem3  
lorem4

DOM means Document Object Model

Elements Console

```
index.html > html > body.bg-black > div > ul
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17         Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incident adipisci corrupti nam deserunt laboriosam
20         labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22         </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24         Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26         <ul>
27             <li>lorem1</li>
28             <li>lorem2</li>
29             <li>lorem3</li>
30             <li>lorem4</li>
31         </ul>
32     </div>
33 </body>
```



Python String Slicin... Learn Python - Free... Welcome To Colabo...

All Bookmarks

## DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectet*ur* adipisic*i*ng el*it*.**

**Nisi i*c*idunt adipisci corrupti nam deserunt laboriosam lab*o*re!**

**Perferendis p*ro*vident pariatur,  
iste n*isi* v*itae* mag*n*am il*lo*.**

Lo*r*em, ipsum dolor sit amet consectetur adipisic*i*ng el*it*. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4

```
Python String Slicin... Learn Python - Free... Welcome To Colabo...
All Bookmarks
Elements Console > 1 | 
Default levels | 1 Issue: 1
document.querySelector("ul")
<ul>
    <li>::marker
        "lorem1"
    </li>
</ul>
const myul=document.querySelector("ul")
undefined
const myli=myul.querySelector("li")
undefined
myli
<li>
    ::marker
    "lorem1"
</li>
const myList=myul.querySelectorAll("li")
undefined
myList
> NodeList(4) [li, li, li, li]
>
```

index.html > html > body.bg-black > div > ul

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17             Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
20             labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22             </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24             Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26     <ul>
27         <li>lorem1</li>
28         <li>lorem2</li>
29         <li>lorem3</li>
30         <li>lorem4</li>
31     </ul>
32     </div>
33 </body>
```

Python String Slicin... Learn Python - Free... Welcome To Colabo...

## DOM means Document Object Model

**Lorem ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidentum adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing  
  elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4

```
index.html > html > body.bg-black > div > ul
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17             Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incidenti adipisci corrupti nam deserunt laboriosam
20             labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22             </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24             Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26         <ul>
27             <li>lorem1</li>
28             <li>lorem2</li>
29             <li>lorem3</li>
30             <li>lorem4</li>
31         </ul>
32     </div>
33 </body>
34 </html>
```

# DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectet*ur* adipisic*ing* elit.**

**Nisi incidenti adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

*Lore*m*, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?*

- lorem1
- lorem2
- lorem3
- lorem4

Python String Slicin... Learn Python - Free... Welcome To Colab... All Bookmarks

Elements Console Filter Default levels 1 Issue: 1

```
> myli.style.backgroundColor="green"
< 'green'
> myli.style.padding="50px"
< '50px'
>
```

```
index.html > html > body.bg-black > div > ul
```

```
1  !DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17         Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incident adipisci corrupti nam deserunt laboriosam
20         labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22         </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24         Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26         <ul>
27             <li>lorem1</li>
28             <li>lorem2</li>
29             <li>lorem3</li>
            <li>lorem4</li>
        </ul>
    </div>
</body>
```

```
Python String Slicin...
```

```
Learn Python - Free...
```

```
Welcome To Colabo...
```

# DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectetuer adipisicing elit.**

**Nisi incident adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

*Lore*m*, ipsum dolor sit amet consectetur adipisicing  
elit. Ab, exercitationem?*

How are You ?

- lorem2
- lorem3
- lorem4

```

1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.
6   </head>
7   <body class="bg-black">
8     <div>
9       <h1 id="title" class="heading">DOM means Document Object
10      Model<span style="display: none;"> How Objects Work</span></h1>
11      <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
12      <h2>Nisi incidentum adipisci corrupti nam deserunt laboriosam
13      labore!</h2>
14      <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
15      </h2>
16      <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
17      Ab, exercitationem?</p>
18      <input type="password" name="" id="">
19      <ul>
20        <li>lorem1</li>
21        <li>lorem2</li>
22        <li>lorem3</li>
23        <li>lorem4</li>
24      </ul>
25    </div>
26  </body>
27
28
29

```

Python String Slicin... Learn Python - Free... Welcome To Colabo...

# DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectet*ur* adipisic*ing* el*it*.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- How are You ?
- lorem2
- lorem3
- lorem4

Elements Console > 1 | All Bookmarks

Default levels ▾ | 1 Issue: 1

```

> myli.style.backgroundColor="green"
< 'green'
> myli.style.padding="50px"
< '50px'
> myli.innerText="How are You ? "
< 'How are You ? '
> myliList
< ▼ NodeList(4) [li, li, li, li] ⓘ
  ► 0: li
  ► 1: li
  ► 2: li
  ► 3: li
  length: 4
  ▶ [[Prototype]]: NodeList
    ► entries: f entries()
    ► forEach: f forEach()
    ► item: f item()
    ► keys: f keys()
    length: (...)
    ► values: f values()
    ► constructor: f NodeList()
    ► Symbol(Symbol.iterator): f values()
    ► Symbol(Symbol.toStringTag): "NodeList"
    ► get length: f length()
    ► [[Prototype]]: Object
  >

```

## index.html > html > body.bg-black > div > ul

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17             Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incident adipisci corrupti nam deserunt laboriosam
20             labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22             </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24             Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26         <ul>
27             <li>lorem1</li>
28             <li>lorem2</li>
29             <li>lorem3</li>
30             <li>lorem4</li>
31         </ul>
32     </div>
33 </body>
34 </html>
```

## Python String Slicin... Learn Python - Free... Welcome To Colabo...

# DOM means Document Object Model

**Lore*m* ipsum dolor sit amet  
consectet*ur* adipisic*ing* el*it*.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

  • How are You ?

- lorem2
- lorem3
- lorem4

Elements Console ▶ 1 | All Bookmarks

Default levels ▾ 1 Issue: 1

> myli.style.backgroundColor="green"  
< 'green'  
> myli.style.padding="50px"  
< '50px'  
> myli.innerText="How are You ?"  
< 'How are You ?'  
> mylist  
< ▪ NodeList(4) [li, li, li, li] i  
  ► 0: li  
  ► 1: li  
  ► 2: li  
  ► 3: li  
  length: 4  
  ▼ [[Prototype]]: NodeList  
    ► entries: f entries()  
    ► forEach: f forEach()  
    ► item: f item()  
    ► keys: f keys()  
    ► length: (...)  
    ► values: f values()  
    ► constructor: f NodeList()  
    ► Symbol(Symbol.iterator): f values()  
    ► Symbol(Symbol.toStringTag): "NodeList"  
    ► get length: f length()  
    ► [[Prototype]]: Object  
> mylist[3].style.color="yellow"  
< 'yellow'

```
index.html X
index.html > html > body.bg-black > div > ul
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.
6      0">
6      <title>DOM Learning</title>
7      <style>
8          .bg-black{
9              background-color: #212121;
10             color: #fff;
11         }
12     </style>
13 </head>
14 <body class="bg-black">
15     <div>
16         <h1 id="title" class="heading">DOM means Document Object
17         Model<span style="display: none;"> How Objects Work</span></h1>
18         <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19         <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam
20         labore!</h2>
21         <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22         </h2>
23         <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24         Ab, exercitationem?</p>
25         <input type="password" name="" id="">
26     <ul>
27         <li>lorem1</li>
28         <li>lorem2</li>
29         <li>lorem3</li>
30         <li>lorem4</li>
31     </ul>
32     </div>
33 </body>
34 </html>
```

127.0.0.1:5500/index.html

Python String Slicin... Learn Python - Free... Welcome To Colabo...

Elements Console Filter

Default levels ▾ 1 Issue: 1

myList.forEach(function(l){  
 l.style.fontSize="25px"  
})

undefined

|

# DOM means Document Object Model

**Lore ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

• How are You ?

• lorem2

• lorem3

• lorem4

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>DOM Learning</title>
7     <style>
8       .bg-black{
9         background-color: #212121;
10        color: #fff;
11      }
12    </style>
13  </head>
14  <body class="bg-black">
15    <div>
16      <h1 id="title" class="heading">DOM means Document Object
17      Model<span style="display: none;"> How Objects Work</span></h1>
18      <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
19      <h2>Nisi incidunt adipisci corrupti nam deserunt laboriosam
20      labore!</h2>
21      <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.
22      </h2>
23      <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
24      Ab, exercitationem?</p>
25      <input type="password" name="" id="">
26      <ul>
27        <li>lorem1</li>
28        <li>lorem2</li>
29        <li>lorem3</li>
30        <li>lorem4</li>
31      </ul>
32    </div>
33  </body>
34 </html>
```

Python String Slicin... Learn Python - Free... Welcome To Colabo... All Bookmarks

Elements Console Filter Default levels 1 Issue: 1

> myList.forEach((l)=>{  
 l.style.fontSize="10px"  
})  
< undefined  
>

## DOM means Document Object Model

**Lorem ipsum dolor sit amet  
consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam  
deserunt laboriosam labore!**

**Perferendis provident pariatur,  
iste nisi vitae magnam illo.**

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

• How are You ?

• lorem2  
• lorem3  
• lorem4

A screenshot of a code editor interface, likely Visual Studio Code, displaying the file `index.html`. The editor has a dark theme. The top bar includes standard menu items: File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar labeled "DOM". On the left side, there are several icons: a file icon, a magnifying glass for search, a double arrow for navigation, a refresh symbol, and a help icon. The main area shows the HTML code for a document titled "DOM Learning". The code includes a CSS style block for a class named ".bg-black". The DOM navigation icons on the left are highlighted in blue, indicating they are active or selected.

```
index.html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Learning</title>
    <style>
        .bg-black{
            background-color: #212121;
            color: #fff;
        }
    </style>
</head>
<body class="bg-black">
    <div>
        <h1 id="title" class="heading">DOM means Document Object Model<span style="display: none;"> How Objects Work</span></h1>
        <h2>Lorem ipsum dolor sit amet consectetur adipisicing elit.</h2>
        <h2>Nisi incident adipisci corrupti nam deserunt laboriosam labore!</h2>
        <h2>Perferendis provident pariatur, iste nisi vitae magnam illo.</h2>
        <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?</p>
        <input type="password" name="" id="">
        <ul>
            <li class="list-item">lorem1</li>
            <li class="list-item">lorem2</li>
            <li class="list-item">lorem3</li>
            <li class="list-item">lorem4</li>
        </ul>
    </div>
</body>
</html>
```

# DOM means Document Object Model

**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4

The screenshot shows a browser's developer tools open to the 'Console' tab. The console output is as follows:

```
> const tempclassList = document.getElementsByClassName("list-item")
< undefined
> tempclassList
< HTMLCollection(4) [li.list-item, li.list-item, li.list-item,
  li.list-item] i
  ▷ 0: li.list-item
  ▷ 1: li.list-item
  ▷ 2: li.list-item
  ▷ 3: li.list-item
  length: 4
  ▷ [[Prototype]]: HTMLCollection
    ▷ item: f item()
    ▷ length: (...)

  ▷ namedItem: f namedItem()
  ▷ constructor: f HTMLCollection()
  ▷ Symbol(Symbol.iterator): f values()
  ▷ Symbol(Symbol.toStringTag): "HTMLCollection"
  ▷ get length: f length()
  ▷ [[Prototype]]: Object
>
```

# DOM means Document Object Model

**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4

The screenshot shows a browser's developer tools console tab. The console output is as follows:

```
> const tempclassList = document.getElementsByClassName("list-item")
< undefined
> tempclassList
< HTMLCollection(4) [li.list-item, li.list-item, li.list-item,
  li.list-item] i
  > 0: li.list-item
  > 1: li.list-item
  > 2: li.list-item
  > 3: li.list-item
  length: 4
  < [[Prototype]]: HTMLCollection
    > item: f item()
      length: (...)

    > namedItem: f namedItem()
    > constructor: f HTMLCollection()
    > Symbol(Symbol.iterator): f values()
      Symbol(Symbol.toStringTag): "HTMLCollection"
    > get length: f length()
    > [[Prototype]]: Object
> tempclassList.forEach(l => console.log(l))
✖ > Uncaught TypeError: tempclassList.forEach is not a function
  at <anonymous>:1:15
VM413:1
```

A red box highlights the error message: "Uncaught TypeError: tempclassList.forEach is not a function". The file path "VM413:1" is also visible.

# DOM means Document Object Model

**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incidunt adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

• Lorem ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?



- lorem1
- lorem2
- lorem3
- lorem4

The screenshot shows a browser's developer tools with the 'Console' tab selected. At the top, there is an error message: `> tempclassList.forEach(l => console.log(l))` followed by `✖ Uncaught TypeError: tempclassList.forEach is not a function at <anonymous>:1:15`. Below the error, the VM413:1 frame is expanded, showing an array of four objects. Each object is labeled `li.list-item`. The array has a `length` of 4 and a `[[Prototype]]` of `Array(0)`. A large number of methods are listed under the prototype, all of which are marked with a red 'f' indicating they are non-enumerable or otherwise problematic. These include `at()`, `concat()`, `constructor`, `copyWithin()`, `entries()`, `every()`, `fill()`, `filter()`, `find()`, `findIndex()`, `findLast()`, `findLastIndex()`, `flat()`, `flatMap()`, `forEach()`, `includes()`, `indexOf()`, `join()`, and `keys()`.

# DOM means Document Object Model

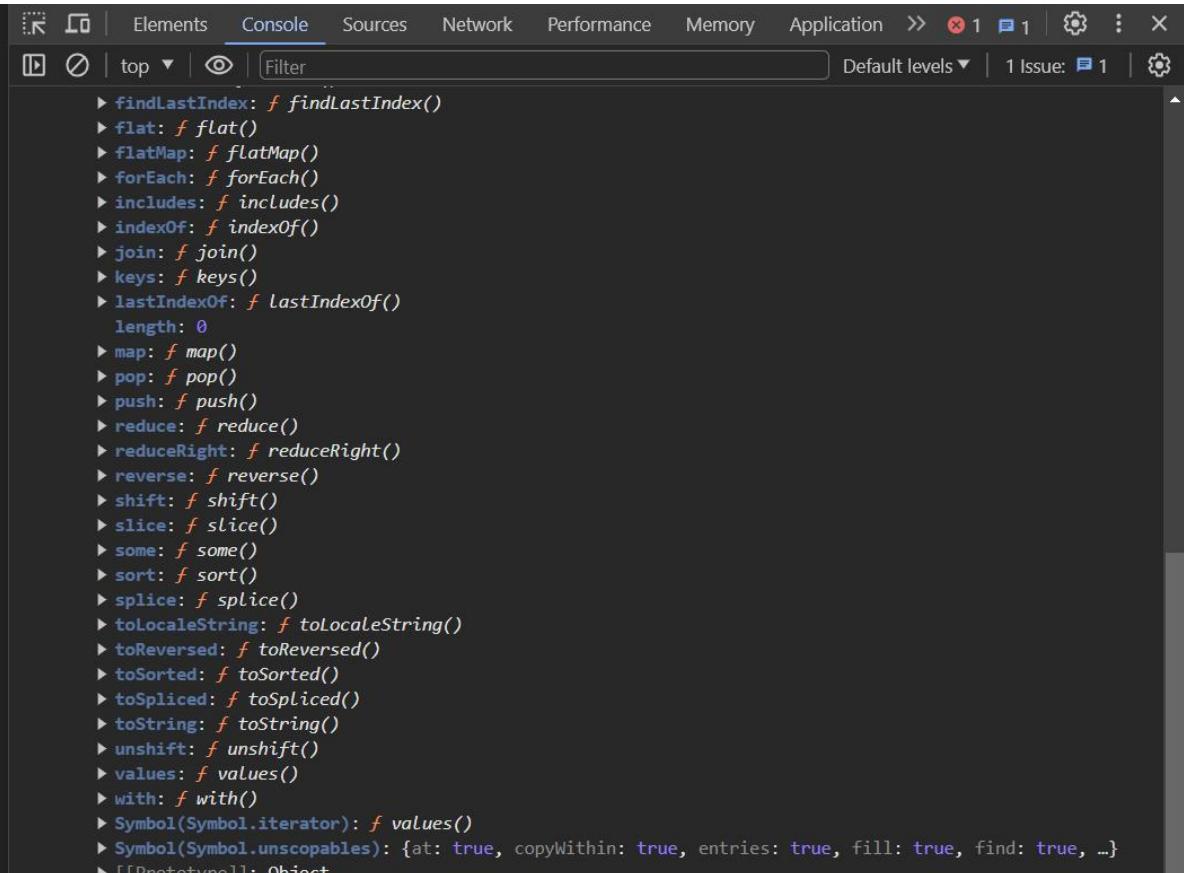
**Lore ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4



The screenshot shows the browser's developer tools open to the 'Console' tab. The console lists numerous array methods, each preceded by a blue arrowhead and the letter 'f' indicating they are functions. The methods listed include: findLastIndex, flat, flatMap, forEach, includes, indexOf, join, keys, lastIndexOf, length, map, pop, push, reduce, reduceRight, reverse, shift, slice, some, sort, splice, toLocaleString, toReversed, toSorted, toSpliced, toString, unshift, values, with, Symbol(Symbol.iterator), and Symbol(Symbol.unscopables). The 'Symbol(Symbol.iterator)' method is annotated with 'values()' and the 'Symbol(Symbol.unscopables)' method is annotated with 'at: true, copyWithin: true, entries: true, fill: true, find: true, ...'. At the bottom of the list, there is a note '[[Prototype]]: Object'.

```
▶ f findLastIndex: f findLastIndex()
▶ f flat: f flat()
▶ f flatMap: f flatMap()
▶ f forEach: f forEach()
▶ f includes: f includes()
▶ f indexOf: f indexOf()
▶ f join: f join()
▶ f keys: f keys()
▶ f lastIndexOf: f lastIndexOf()
▶ f length: 0
▶ f map: f map()
▶ f pop: f pop()
▶ f push: f push()
▶ f reduce: f reduce()
▶ f reduceRight: f reduceRight()
▶ f reverse: f reverse()
▶ f shift: f shift()
▶ f slice: f slice()
▶ f some: f some()
▶ f sort: f sort()
▶ f splice: f splice()
▶ f toLocaleString: f toLocaleString()
▶ f toReversed: f toReversed()
▶ f toSorted: f toSorted()
▶ f toSpliced: f toSpliced()
▶ f toString: f toString()
▶ f unshift: f unshift()
▶ f values: f values()
▶ f with: f with()
▶ f Symbol(Symbol.iterator): f values()
▶ f Symbol(Symbol.unscopables): {at: true, copyWithin: true, entries: true, fill: true, find: true, ...}
▶ [[Prototype]]: Object
```

# DOM means Document Object Model

**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4

The screenshot shows a browser's developer tools open to the 'Console' tab. The DOM object is expanded, showing its properties and methods. An error message is visible in the console:

```
> tempclassList.forEach(l => console.log(l))
✖ > Uncaught TypeError: tempclassList.forEach is not a function
at <anonymous>:1:15
VM413:1
```

The code in the console is:

```
> tempclassList.forEach(l => console.log(l))
```

The error message indicates that `tempclassList.forEach` is not a function, which is likely due to a typo or a context where the variable is not properly defined.

## DOM means Document Object Model

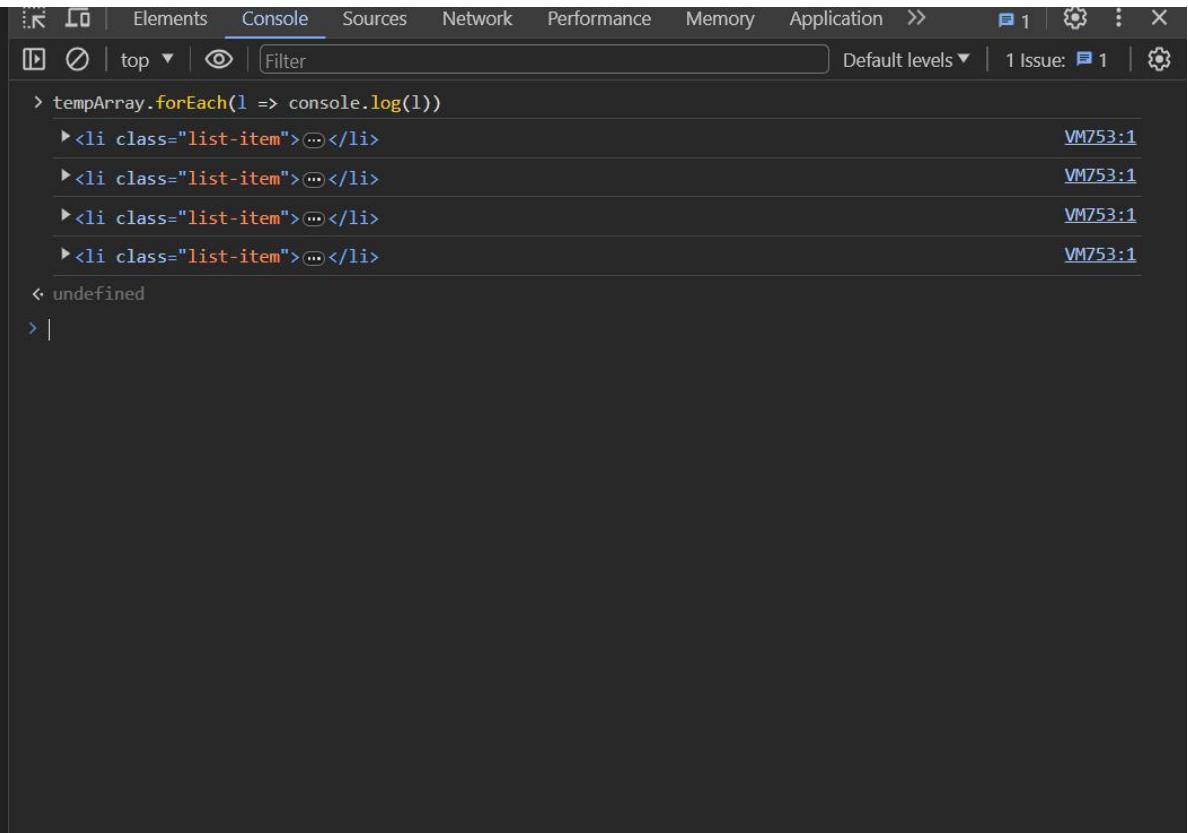
**• Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

• Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4



The screenshot shows the 'Console' tab of a browser's developer tools. The console output is as follows:

```
> tempArray.forEach(l => console.log(l))
▶ <li class="list-item">...</li>
▶ <li class="list-item">...</li>
▶ <li class="list-item">...</li>
▶ <li class="list-item">...</li>
< undefined
> |
```

The code executed was `tempArray.forEach(l => console.log(l))`. The output consists of four identical list items, each with the class "list-item". The output is timestamped with "VM753:1" next to each line. The console interface includes tabs for Elements, Console, Sources, Network, Performance, Memory, Application, and more, along with a filter bar and status indicators at the top.

# DOM means Document Object Model

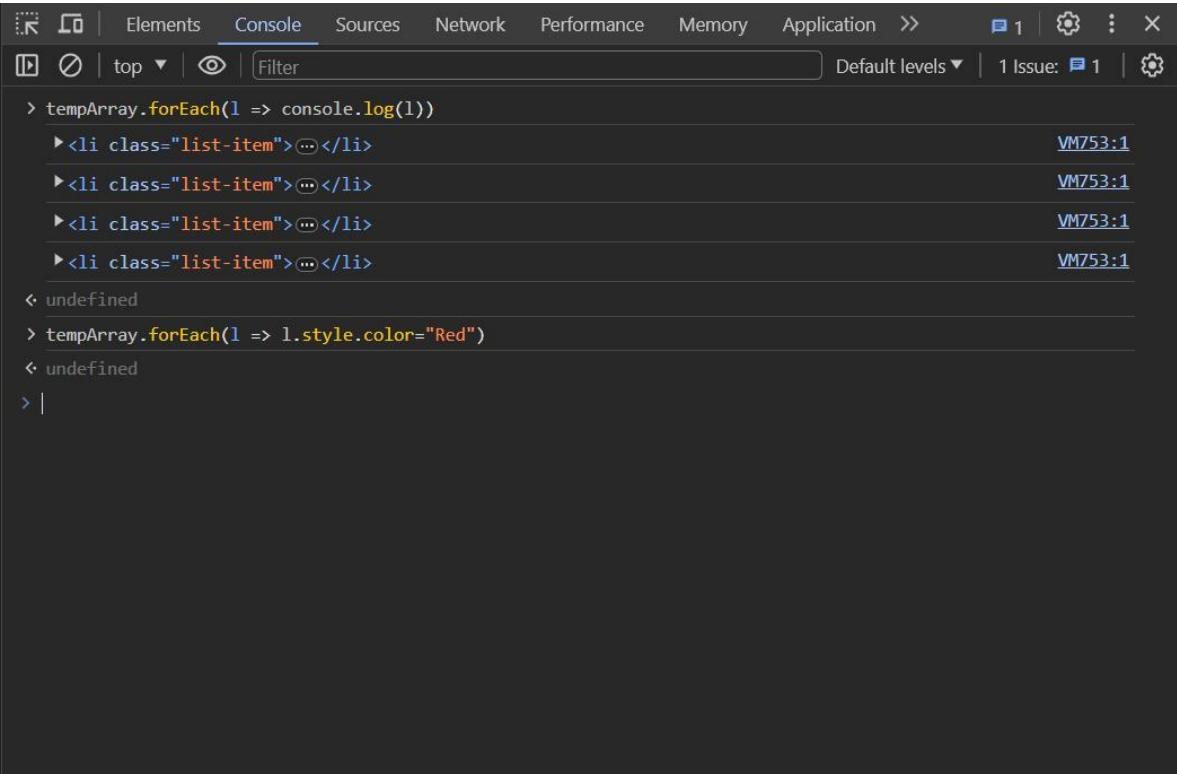
**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incidenti adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur; iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- lorem1
- lorem2
- lorem3
- lorem4



The screenshot shows the browser's developer tools open to the 'Console' tab. The console output is as follows:

```
> tempArray.forEach(l => console.log(l))
▶ <li class="list-item">...</li> VM753:1
▶ <li class="list-item">...</li> VM753:1
▶ <li class="list-item">...</li> VM753:1
▶ <li class="list-item">...</li> VM753:1
< undefined
> tempArray.forEach(l => l.style.color="Red")
< undefined
> |
```

# DOM means Document Object Model

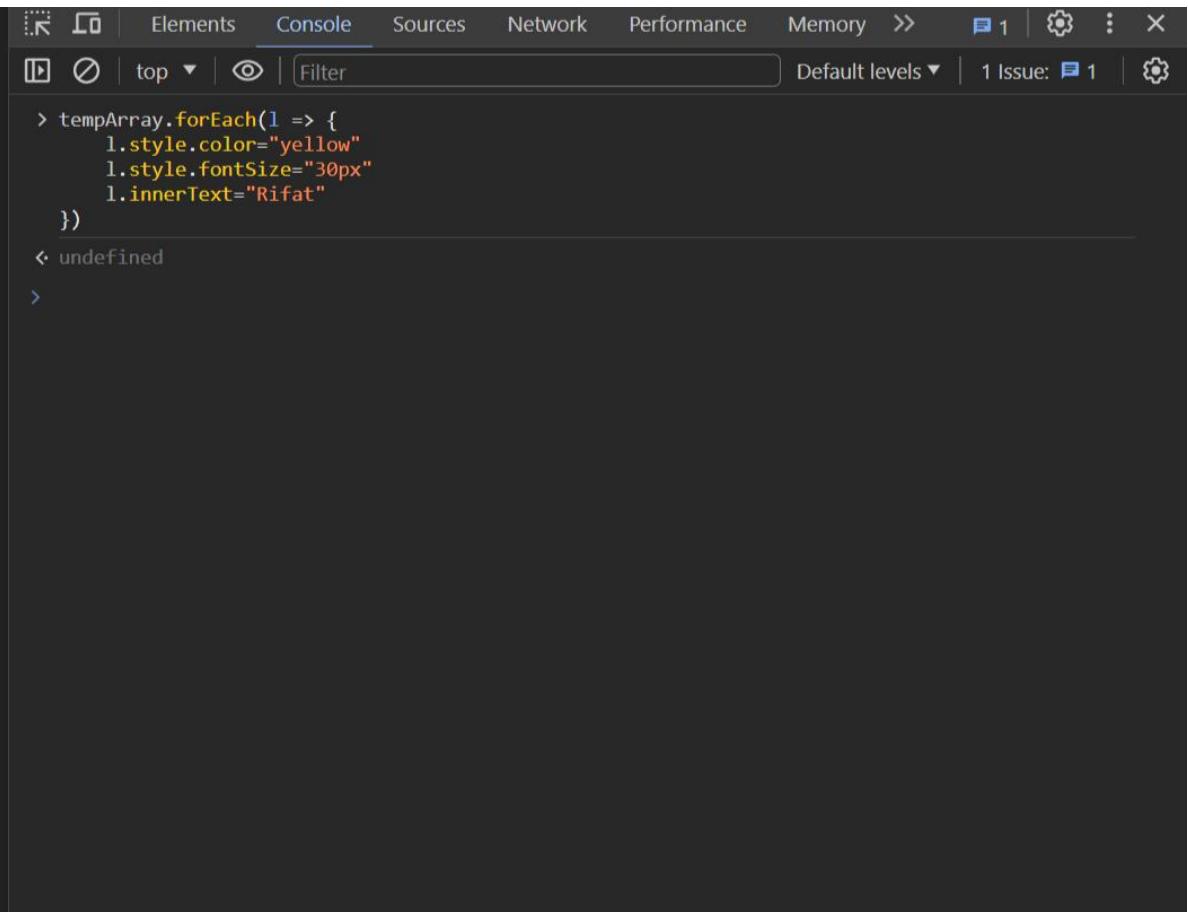
**Lorem ipsum dolor sit amet consectetur adipisicing elit.**

**Nisi incident adipisci corrupti nam deserunt laboriosam labore!**

**Perferendis provident pariatur, iste nisi vitae magnam illo.**

  Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ab, exercitationem?

- Rifat
- Rifat
- Rifat
- Rifat



The screenshot shows the browser's developer tools open to the 'Console' tab. The console displays the following JavaScript code:

```
> tempArray.forEach(l => {
  l.style.color="yellow"
  l.style.fontSize="30px"
  l.innerText="Rifat"
})
```

The code uses the `forEach` method on an array named `tempArray`. For each element `l` in the array, it sets the `color` style to "yellow", the `fontSize` style to "30px", and the `innerText` to "Rifat". The output of this code is shown below the code block, indicating that the function has run successfully.