getElementById

getlementBytagName(Sensitive)

QuerySelector

  const title = document.querySelector('.title');  // Selects the first element with class 'title'

    title.style.color = "red";

CSS Selectors Supported

1. Id

document.querySelector(“#list2”)

1. Tag

document.querySelectorAll(“li”)

<div>

        <h2>Welcome to</h2>

        <p>ItVedant</p>

    </div>

    <div>

        <h1>Full Stack Course</h1>

        <p>JavaScript</p>

    </div>

    <script>

    const divElements=document.querySelectorAll("div")

    divElements.forEach((divElement)=>{

    divElement.style.backgroundColor="yellow"

    })

    </script>

1. Class

document.querySelectorAll(“.red”)

<div class="container">

    <h2 class="title">Heading 1</h2>

    <h2 class="title">Heading 2</h2>

    <h2 class="title">Heading 3</h2>

</div>

<script>

    const titles = document.querySelectorAll('.title');  // Selects all elements with class 'title'

    titles.forEach((title) => {

        title.style.color = "blue";  // Changes the color of all titles to blue

    });

</script>

1. Descendent

document.querySelectorAll('.container p');

<div class="container">

        <h2>Title 1</h2>

        <div class="nested">

            <p>Paragraph 1 inside nested div</p>

            <p>Paragraph 2 inside nested div</p>

        </div>

        <p>Paragraph 3 inside container</p>

    </div>

    <script>

        const paragraphs = document.querySelectorAll('.container p'); // Selects all elements that are inside a specified parent, no matter how deeply nested

paragraphs.forEach((para) => {

    para.style.color = 'red';});

1. Child Selector

document.querySelectorAll('.container > p');

    <div class="container">

        <p>Direct child 1</p>

        <div class="nested">

            <p>Nested paragraph 1</p>

        </div>

        <p>Direct child 2</p>

    </div>

    <script>

    const directChildren = document.querySelectorAll('.container > p'); // Select only direct child <p> elements of the .container element

directChildren.forEach((para) => {

    para.style.color = 'red';

});

    para.style.color = 'red';

});

1. Attribute Selector

document.querySelectorAll('input[type]');

    <input type="text" id="name" placeholder="Enter your name">

    <input type="password" id="password" placeholder="Enter your password">

    <input type="text" id="search" placeholder="Search">

    <script>

    const textInputs = document.querySelectorAll('input[type]'); // Selects all input elements that have type attribute

    textInputs.forEach(input => {

    console.log(input.id);

    });

1. Attribute & Value Selector

document.querySelectorAll('input[type="text"]');

    <input type="text" id="name" placeholder="Enter your name">

    <input type="password" id="password" placeholder="Enter your password">

    <input type="text" id="search" placeholder="Search">

    <script>

    const textInputs = document.querySelectorAll('input[type="text"]'); // Selects all input elements that have type attribute as text

    textInputs.forEach(input => {

    console.log(input.id);

    });

1. Element.querySelector()

Document. Will search the entire dom tree

Element. Will search within that element only

<script>

    const divElements=document.querySelectorAll("div")

    divElements.forEach((divElement,index)=>{

    divElement.style.backgroundColor="yellow"

        if(index===0)

        {

            const h2Element=divElement.querySelector("h2")

            h2Element.innerText="Apple"

        }

    })

</script>