

Javascript Selectors

- `getElementById`: Finds and returns the element with the specified ID attribute. IDs must be unique within a document.
- `getElementsByTagName`: Returns a collection of elements with the specified tag name (e.g., "div", "p").
- `getElementsByClassName`: Retrieves a collection of elements with the specified class name.
- `getElementsByName`: Gets a collection of elements with a specific name attribute.

`<p>Rahul R ACE11626</p>`

`<html lang="en">`

`<h2>Selectors </h2>`

`<body>`

`<p id="uniqueElement">Sentence with an ID.</p>`

`<div>This is a div.</div>`

`<p class="myClass">This is a sentence within a class.</p>`

`<input type="text" name="myName" value="input a sentence here">`

```
<div>
```

```
<span id="output1"></span>
```

```
<button onclick="showOutput('getElementById')">get Element By Id </button>
```

```
</div>
```

```
<div>
```

```
<span id="output2"></span>
```

```
<button onclick="showOutput('getElementsByTagName')">get Elements By  
TagName </button>
```

```
</div>
```

```
<div>
```

```
<span id="output3"></span>
```

```
<button onclick="showOutput('getElementsByClassName')">get Elements By  
ClassName </button>
```

```
</div>
```

```
<div>
```

```
<span id="output4"></span>
```

```
<button onclick="showOutput('getElementsByName')">get  
ElementsByName</button>
```

```
</div>
```

```
<script>
```

```
function showOutput(selector) {
```

```
    var elementById = document.getElementById("uniqueElement");
```

```
    var elementsByTagName = document.getElementsByTagName("div");
```

```
    var elementsByClassName = document.getElementsByClassName("myClass");
```

```
    var elementsByName = document.getElementsByName("myName");
```

```
    switch (selector) {
```

```
        case 'getElementById':
```

```
document.getElementById("output1").textContent = "get Element By Id: " +  
elementById.textContent;
```

```
break;
```

```
case 'getElementsByTagName':
```

```
document.getElementById("output2").textContent = "get Elements By Tag  
Name: " + elementsByTagName[0].textContent;
```

```
break;
```

```
case 'getElementsByClassName':
```

```
document.getElementById("output3").textContent = "get Elements By Class  
Name: " + elementsByClassName[0].textContent;
```

```
break;
```

```
case 'getElementsByName':
```

```
document.getElementById("output4").textContent = "get Elements By Name: "  
+ elementsByName[0].value;
```

```
break;
```

```
default:
```

```
break;
```

```
}
```

}

</script>

</body>

</html>