HTML DOM



[1\_FIND\_HTML\_ELEMENTS](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/1_FIND_HTML_ELEMENTS)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<h1>This is h1</h1>

<h2 id="heading2">This is h2</h2>

<p class="para">This is a paragraph1</p>

<p class="para">This is a paragraph2</p>

<a href="#">Visit Google</a>

<div id="first-div">

<h4>I am h4</h4>

</div>

<div class="my-div">

<ol>

<li>I am a list</li>

</ol>

</div>

<script src="./program27.js"></script>

</body>

</html>

**program27.js**

// DOM -> Document Object Model

// Using DOM We can Find / get, change, add, or delete HTML elements.

// How to find HTML Elements

// document.getElementById()

// document.getElementsByTagName()

// document.getElementsByClassName()

// document.querySelector()

// finding element by ID

var h2 = document.getElementById("heading2");

console.log(h2)

// finding element by tagName

var h1 = document.getElementsByTagName("h1")[0];

console.log(h1)

// finding element by tagName

var p = document.getElementsByClassName("para")[0];

console.log(p)

// finding element by querySelector

var q1 = document.querySelector("#heading2");

console.log(q1)

//it will get the first element of the h1 elements

var q2 = document.querySelector("h1");

console.log(q2)

//it will get the first element of the para class

var q3 = document.querySelector(".para");

console.log(q3)

var list = document.querySelector(".my-div li");

console.log(list)

// finding element by querySelectorAll

var q4 = document.querySelectorAll(".para");

console.log(q4)

[2\_CHANGE\_HTML\_ELEMENTS](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/2_CHANGE_HTML_ELEMENTS)

**index.htm**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>change html elements</title>

</head>

<body>

<h1>This is h1</h1>

<h2 id="heading2">This is h2</h2>

<p class="para">This is a paragraph1</p>

<p class="para">This is a paragraph2</p>

<a href="#">Visit Google</a>

<div id="first-div">

<h4>I am h4</h4>

</div>

<div class="my-div">

<ol>

<li>I am a list</li>

</ol>

</div>

<script src="./program28.js"></script>

</body>

</html>

**program28.js**

// How to change HTML Elements (collected from W3School website)

// element.innerHTML = new html content -> Change the inner HTML of an element

// element.attribute = new value -> Change the attribute value of an HTML element

// element.style.property = new style -> Change the style of an HTML element

// finding element by ID

var h2 = document.getElementById("heading2");

// changing elements text, id

h2.innerHTML = "I love Bangladesh";

h2.id = "heading2-new";

console.log(h2);

var a = document.querySelector("a");

console.log(a)

a.textContent="visit my website";

a.href="http://www.studywithanis.com"

// changing style of element

a.style.textDecoration = "none";

a.style.color = "green";

a.style.fontSize = "2rem";

[3\_CREATE\_ADD\_REMOVE\_HTML\_ELEMENTS](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/3_CREATE_ADD_REMOVE_HTML_ELEMENTS)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<h1>This is h1</h1>

<h2 id="heading2">This is h2</h2>

<p class="para">This is a paragraph1</p>

<p class="para">This is a paragraph2</p>

<a href="#">Visit Google</a>

<div id="first-div">

<h4>I am h4</h4>

</div>

<div class="my-div">

<ol>

<li>I am a list</li>

</ol>

</div>

<script src="./index.js"></script>

</body>

</html>

**index.js**//Create, remove, add html element

// creating html element and adding to a div

var firstDiv = document.querySelector("#first-div");

console.log(firstDiv)

var heading3 = document.createElement("h3");

var text = document.createTextNode("This is heading 3");

heading3.appendChild(text);

firstDiv.appendChild(heading3);

var heading5 = document.createElement("h5");

var text = document.createTextNode("This is heading 5");

heading5.appendChild(text);

firstDiv.appendChild(heading5);

// remove element

firstDiv.removeChild(heading5);

//adding element before

var heading6 = document.createElement("h6");

var text = document.createTextNode("This is heading 6");

heading6.appendChild(text);

firstDiv.insertBefore(heading6, heading3);

// firstDiv.insertAfter(heading6, heading3);

[4\_CSS\_STYLING](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/4_CSS_STYLING)

**style.css**

.heading-style{

color: green;

font-size: 3rem;

font-weight: bold;

font-style: italic;

}

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<link rel="stylesheet" href="./style.css">

</head>

<body>

<h1>This is h1</h1>

<h2 id="heading2">This is h2</h2>

<p class="para">This is a paragraph1</p>

<p class="para">This is a paragraph2</p>

<a href="#">Visit Google</a>

<div id="first-div">

<h4>I am h4</h4>

</div>

<div class="my-div">

<ol>

<li>I am a list</li>

</ol>

</div>

<script src="./index.js"></script>

</body>

</html>

**index.js**

// Adding & removing css style in js

var h1 = document.querySelector("h1");

h1.innerHTML = "hiiii"

console.log(h1)

//add css style

h1.classList.add('heading-style')

//removing css style

// h1.classList.remove('heading-style')

[5\_DOM\_EVENTS](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS)

**index.htm**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>DOM Events</title>

</head>

<body>

<h1 onmouseover="handleMouseOver()" onmouseout="handleMouseOut()">

DOM EVENT

</h1>

<button onclick="handleButtonClick()">click me</button>

<input type="text" id="name" onchange="handleChange()" />

<script src="./index.js"></script>

</body>

</html>

**index.js**

function handleMouseOver(){

document.querySelector("h1").style.color = "green";

}

function handleMouseOut(){

document.querySelector("h1").style.color = "red";

}

function handleButtonClick(){

console.log("button is clicked")

}

function handleChange(){

var name = document.getElementById("name");

console.log(name.value)

}

[clipboard-events](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/clipboard-events)

**style.css**

.heading-style{

color: green;

font-size: 3rem;

font-weight: bold;

font-style: italic;

}

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<input type="text" />

<p></p>

<script src="./index.js"></script>

</body>

</html>

/

**index.js**

// ClipboardEvent Object

// oncopy

// oncut

// onpaste

const input = document.querySelector("input");

const p = document.querySelector("p");

input.addEventListener("copy", function () {

p.innerText = "you have copied";

});

input.addEventListener("cut", function () {

p.innerText = "you have cut";

});

input.addEventListener("paste", function () {

p.innerText = "you have pasted";

});

[focus-events](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/focus-events)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<input type="text" />

<script src="./index.js"></script>

</body>

</html>

**index.js**

// FocusEvent Object

// <br>, <head>, <title>, <html>, <iframe>, <meta>, <param>, <script>, <style>, <base>, <bdo>,

// 1. onblur

// 2. onfocus

// 3. onfocusin

// 4. onfocusout

const input = document.querySelector("input");

input.addEventListener("blur", function (e) {

// console.log(e.target.value);

input.value = e.target.value.toUpperCase();

});

input.addEventListener("focus", function () {

// console.log("focus is occured");

// input.style.backgroundColor = "orange";

// input.style.padding = "2rem";

});

// input.addEventListener("focusin", function () {

// console.log("focusin is occured");

// });

// input.addEventListener("focusout", function () {

// console.log("focusout is occured");

// });

[keyboard-events](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/keyboard-events)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<textarea name="" id="" cols="30" rows="10"></textarea>

<script src="./index.js"></script>

</body>

</html>

**index.js**

// KeyboardEvent Object

// 1. Keydown - pressing a key, can repeat

// 2. keypress (may not supported by some browsers)

// 3. keyup

// some properties - key, keyCode, code, shiftKey, ctlKey, repeat

const textarea = document.querySelector("textarea");

textarea.addEventListener("keydown", function (e) {

if (e.repeat) {

alert("do not repeat");

}

});

// textarea.addEventListener("keypress", function () {

// console.log("keypress");

// });

// textarea.addEventListener("keyup", function (e) {

// if (e.shiftKey) {

// console.log("shift+" + e.key);

// }

// });

[media-events](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/media-events)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<video width="400" controls muted>

<source src="./how to deploy your website.mp4" type="video/mp4" />

your browser does not support html5 video element

</video>

<script src="./index.js"></script>

</body>

</html>

# index.js

// audio / video events

// canplay, play, playing, pause, progress, ended, volumechange, waiting

const video = document.querySelector("video");

video.addEventListener("canplay", function () {

console.log("canplay");

});

video.addEventListener("play", function () {

console.log("play");

});

video.addEventListener("playing", function () {

console.log("playing");

});

video.addEventListener("pause", function () {

console.log("pause");

});

video.addEventListener("ended", function () {

console.log("Thanks for watching");

});

video.addEventListener("volumechange", function () {

console.log("volumechange");

});

**index.js**

// audio / video events

// canplay, play, playing, pause, progress, ended, volumechange, waiting

const video = document.querySelector("video");

video.addEventListener("canplay", function () {

console.log("canplay");

});

video.addEventListener("play", function () {

console.log("play");

});

video.addEventListener("playing", function () {

console.log("playing");

});

video.addEventListener("pause", function () {

console.log("pause");

});

video.addEventListener("ended", function () {

console.log("Thanks for watching");

});

video.addEventListener("volumechange", function () {

console.log("volumechange");

});

[more-event-object](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/more-event-object)

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body style="height: 150vh">

<details>

<summary>Anis</summary>

<p>

Lorem ipsum dolor sit amet consectetur adipisicing elit. Odit labore ea

molestiae ratione maxime pariatur.

</p>

</details>

<script src="./index.js"></script>

</body>

</html>

**index.js**

// load, unload,

// scroll

// resize

// toggle - details

// window.addEventListener("load", function () {

// console.log("load");

// });

// window.addEventListener("unload", function () {

// console.log("unload");

// });

// window.addEventListener("scroll", function () {

// console.log("scroll");

// });

// window.addEventListener("resize", function () {

// const width = window.outerWidth;

// const height = window.outerHeight;

// console.log(`height: ${height}, width: ${width}`);

// });

const details = document.querySelector("details");

details.addEventListener("toggle", function (e) {

console.log(e.target.open);

});

[mouse-events](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/mouse-events)

**style.css**

div {

background-color: tomato;

height: 20rem;

width: 20rem;

padding: 2rem;

}

**index.htm**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<meta http-equiv="X-UA-Compatible" content="IE=edge" />**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<title>Document</title>**

**<link rel="stylesheet" href="style.css" />**

**</head>**

**<body>**

**<div id="my-div" class="div1">**

**<p>I am a div</p>**

**<button class="btn">btn1</button>**

**<button class="btn">btn2</button>**

**<button class="btn">btn3</button>**

**</div>**

**<script src="./index.js"></script>**

**</body>**

**</html>**

**index.js**

// MouseEvent - <html>, <head>, <meta>, <title>, <br>, <style>, <script>, <iframe>, <param>, <base>, <bdo>

// 1. onclick

// 2. ondblclick

// 3. onmousedown

// 4. onmousedup

// 5. onmouseenter

// 6. onmouseleave

// 7. onmousemove

// 8. onmouseover

console.clear();

const div = document.querySelector("div");

div.addEventListener("click", function (e) {

// console.log("click is occured");

// console.log(e.target);

// console.log(e.target.id);

// console.log(e.target.className);

// console.log(e.target.innerHTML);

// console.log(e.target.innerText);

// console.log(e.target.textContent);

});

// div.addEventListener("dblclick", function () {

// console.log("dblclick is occured");

// });

// div.addEventListener("mousedown", function () {

// console.log("mousedown is occured");

// });

// div.addEventListener("mouseup", function () {

// console.log("mouseup is occured");

// });

// div.addEventListener("mouseenter", function () {

// console.log("mouseenter is occured");

// });

// div.addEventListener("mouseleave", function () {

// console.log("mouseleave is occured");

// });

// div.addEventListener("mouseover", function () {

// console.log("mouseover is occured");

// });

// div.addEventListener("mousemove", function (e) {

// // console.log("mousemove is occured");

// // console.log("clientX = " + e.clientX + ", clientY = " + e.clientY);

// console.log("offsetX = " + e.offsetX + ", offsetY = " + e.offsetY);

// });

const buttons = document.querySelectorAll(".btn");

Array.from(buttons).map((button) => {

button.addEventListener("click", function (e) {

console.log(e.target.innerText);

});

});

*[onchange](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS%20HTML%20DOM/5_DOM_EVENTS/onchange)*

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<!-- <label for="name"

>Name:

<input type="text" name="name" class="name-input" id="name-input" />

</label> -->

<!-- <div>

<h2>Programming Language</h2>

<label for="program">

<input type="checkbox" name="program" id="" value="c" /> C

</label>

<label for="java">

<input type="checkbox" name="program" id="" value="java" /> Java</label

>

</div> -->

<label for="department">Department: </label>

<select name="department" id="department">

<option value="cse">CSE</option>

<option value="eee">EEE</option>

<option value="llb">LLB</option>

</select>

<script src="./onchange.js"></script>

</body>

</html>

**onchange.js**

**// <input /> - text, number, password, email, color, radio, checkbox, search, time, date, datetime, week, month, url, tel, file,**

**// <select>,**

**// <textarea>**

**console.clear();**

**// const input = document.querySelector("input[name=name]");**

**// input.addEventListener("change", changeHandler);**

**// function changeHandler(e) {**

**// // console.log(e);**

**// // console.log(e.type);**

**// // console.log(e.target);**

**// // console.log(e.target.className);**

**// // console.log(e.target.id);**

**// console.log(e.target.value);**

**// }**

**// const programs = document.querySelectorAll("input[name=program]");**

**// console.log(programs);**

**// Array.from(programs).map((program) => {**

**// program.addEventListener("change", programHandler);**

**// });**

**// function programHandler(e) {**

**// if (e.target.checked) {**

**// console.log(e.target.value);**

**// }**

**// }**

**const department = document.querySelector("#department");**

**// console.log(department);**

**department.addEventListener("change", handleDepartment);**

**function handleDepartment(e) {**

**console.log(e.target.value);**

**}**

[onsubmit](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS HTML DOM/5_DOM_EVENTS/onsubmit)

[index.html](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/3_JS HTML DOM/5_DOM_EVENTS/onsubmit/index.html)

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<meta http-equiv="X-UA-Compatible" content="IE=edge" />**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<title>Document</title>**

**<link rel="stylesheet" href="style.css" />**

**</head>**

**<body>**

**<form action="">**

**<div>**

**<label for="name"**

**>Name :**

**<input type="text" id="name" name="name" required autofocus />**

**</label>**

**</div>**

**<div>**

**<label for="email"**

**>Email :**

**<input type="email" id="email" name="email" size="30" required />**

**</label>**

**</div>**

**<div>**

**<label for="password"**

**>Password :**

**<input**

**type="password"**

**id="password"**

**name="password"**

**required**

**minlength="4"**

**maxlength="8"**

**/>**

**</label>**

**</div>**

**<div>**

**<input type="submit" value="signup" />**

**</div>**

**</form>**

**<script src="./index.js"></script>**

**</body>**

**</html>**

**index.js**

**// finding the elements**

**const form = document.querySelector("form");**

**const name = form.querySelector("div #name");**

**const email = form.querySelector("div #email");**

**const password = form.querySelector("div #password");**

**form.addEventListener("submit", formHandler);**

**function formHandler(e) {**

**e.preventDefault();**

**const userInfo = {**

**name: name.value,**

**email: email.value,**

**password: password.value,**

**};**

**console.log(userInfo);**

**name.value = "";**

**email.value = "";**

**password.value = "";**

**}**

**6\_DOM\_EVENT\_LISTENER**

***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 EVENT LISTENER</title>**

**</head>**

**<body>**

**<h1>No button is clicked yet</h1>**

**<button class="my-button">button1</button>**

**<button class="my-button">button2</button>**

**<button class="my-button">button3</button>**

**<input type="text" id="input-id"/>**

**<script src="./index.js"></script>**

**</body>**

**</html>**

[index.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/3_JS HTML DOM/6_DOM_EVENT_LISTENER/index.js)

**var h1 = document.querySelector("h1");**

**var buttonsLength = document.querySelectorAll(".my-button").length;**

**for(let x=0; x<buttonsLength; x++){**

**document.querySelectorAll(".my-button")[x].addEventListener("click", function(){**

**h1.innerHTML = this.innerHTML + " is clicked";**

**})**

**}**

**document.querySelector("#input-id").addEventListener("change", function(e){**

**console.log(e.target.value)**

**})**

**// adding document keypress listener**

**document.addEventListener("keypress", function(event){**

**console.log(event.key)**

**})**

**// adding mouseout, mouseover listener**

**h1.addEventListener("mouseover", function(){**

**h1.style.color = "green";**

**h1.style.fontSize = "3rem";**

**});**

**h1.addEventListener("mouseout", function(){**

**h1.style.color = "black";**

**h1.style.fontSize = "2rem";**

**});**

[7\_DOM\_SUMMARY](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/3_JS HTML DOM/7_DOM_SUMMARY)

[index.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/3_JS HTML DOM/7_DOM_SUMMARY/index.js)

**//finding an element**

**var link = document.getElementsByTagName("a")[0];**

**//changing the HTML Content**

**link.innerHTML = "Visit Google";**

**//changing the value of an attribute**

**link.href = "https://www.google.com";**

**//changing HTML style**

**link.style.color = "red";**

**// Creating New HTML Elements (Nodes)**

**//To add a new element to the HTML DOM,**

**// you must create the element (element node) first,**

**// and then append it to an existing element.**

**//creating the element**

**var heading3 = document.createElement("h3");**

**//To add the text we have to create a text node**

**var node = document.createTextNode("This is heading 2");**

**// append the text node to the element**

**heading3.appendChild(node);**

**// Finally you must append the new element to an existing element.**

**var div1 = document.getElementById("div1");**

**div1.appendChild(heading3);**

**// creating element using insertBefore()**

**var para = document.createElement("p");**

**var paraText = document.createTextNode("this is a paragraph");**

**para.appendChild(paraText);**

**var heading2 = document.getElementsByTagName("h1")[1];**

**div1.insertBefore(para, heading2);**

**// remove a child node**

**var child = document.getElementsByTagName("h1")[0];**

**div1.removeChild(child);**

**//replacing HTML Element**

**var newChild = document.createElement("p");**

**var textNode = document.createTextNode("replaced paragraph");**

**newChild.appendChild(textNode);**

**div1.replaceChild(newChild,para);**

**//Node List is a collection of document nodes**

**//classList - add, remove, toggle, contains**

**document.querySelector("ul").classList.add("hi");**

**document.querySelector("ul").classList.remove("ulClass");**

**var x = document.querySelector("ul").classList.contains("hi");**

**console.log(x);**

*Browser\_BOM*

[style.css](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/4_Browser_BOM/style.css)

.para {

color: red;

}

[index.html](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/4_Browser_BOM/index.html)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

<link rel="stylesheet" href="./style.css" />

</head>

<body>

<script src="./index2.js"></script>

</body>

</html>

[index.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/4_Browser_BOM/index.js)

// BOM (Browser Object Model)

// window object

// location object

/\*\*

\* Paste the following code in your index.html file

\* <h1>BOM</h1>

<div class="location-div">

<p></p>

<p></p>

<p></p>

<p></p>

<p></p>

</div>

<button id="visit-button">visit my website</button>

\*/

console.clear();

var locationDiv = document.querySelector(".location-div");

var p1 = locationDiv.children[0];

p1.textContent = location.href;

var p2 = locationDiv.children[1];

p2.textContent = location.protocol;

var p3 = locationDiv.children[2];

p3.textContent = location.hostname;

var p4 = locationDiv.children[3];

p4.textContent = location.port;

var p5 = locationDiv.children[4];

p5.textContent = location.pathname;

const visitButton = document.getElementById("visit-button");

visitButton.addEventListener("click", function () {

location.assign("https://www.studywithanis.com");

});

[index1.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/4_Browser_BOM/index1.js)

*// js BOM*

// popup boxes - alert, confirm, prompt

// function deleteSomething() {

// let value = confirm("Do you want to delete?");

// if (value) {

// console.log("deleted");

// } else {

// console.log("not deleted");

// }

// }

// deleteSomething();

function welcomeMessage() {

var h1 = document.createElement("h1");

let text;

var name = prompt("Enter your name: ");

if (name == null || name == "") {

text = "no name found";

} else {

text = "welcome " + name;

}

var textNode = document.createTextNode(text);

h1.appendChild(textNode);

document.body.appendChild(h1);

}

*welcomeMessage();*

[index2.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/4_Browser_BOM/index2.js)

// JS BOM

// JS Timing events methods

// setTimeOut(), setInterval()

/\*\*

\* Paste the following code in your index.html file

<button class="save-btn">Save</button>

<p class="message"></p>

\*/

// setTimeout(() => {

// console.log("hi");

// }, 3000);

// setTimeout(display, 2000);

// function display() {

// console.log("display function");

// }

const saveButton = document.querySelector(".save-btn");

const message = document.querySelector(".message");

// saveButton.addEventListener("click", saveUser);

// function saveUser() {

// message.textContent = "user registration successful";

// setTimeout(() => {

// message.textContent = "";

// }, 2000);

// }

// saveButton.addEventListener("click", displayCount);

// function displayCount() {

// let count = 1;

// message.textContent = count;

// setInterval(() => {

// count++;

// message.textContent = count;

// }, 1000);

// }

saveButton.addEventListener("click", startClock);

function startClock() {

let date = new Date();

let hours = date.getHours();

let minutes = date.getMinutes();

let seconds = date.getSeconds();

minutes = formatTime(minutes);

seconds = formatTime(seconds);

let time = hours + ":" + minutes + ":" + seconds;

message.textContent = time;

setInterval(startClock, 1000);

}

function formatTime(value) {

if (value < 10) {

value = "0" + value;

}

return value;

}

*Error\_Handling*

[ERROR\_HANDLING\_1.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/5_Error_Handling/ERROR_HANDLING_1.js)

// Error handling -> try , catch, finally , throw

// try ... catch handle run time errors (program which is runable), but not syntax error

// Error object

// The finally statement -> execute code, after try and catch

try{

// code test

alert("Hi Everyone");

alert(x);

alert("Not gonna work");

}catch(err){

console.log(err);

}finally{

alert("Bye Everyone");

}

[ERROR\_HANDLING\_2.js](https://github.com/anisul-Islam/javascript-tutorials-code/blob/master/5_Error_Handling/ERROR_HANDLING_2.js)

// Error handling - try, catch, finally

// The throw statement -> create custom errors.

document.querySelector("#checkButton").addEventListener("click",function(){

var num = document.querySelector("#numTextfield").value;

try{

if(num < 5)

{

throw "input is too low"

} else if(num > 10)

{

throw "input is too high"

}

}catch(err){

console.log(err);

}

})

[ES6 FEATURES](https://github.com/anisul-Islam/javascript-tutorials-code/tree/master/6_ES6 FEATURES" \o "6_ES6 FEATURES)