# Solutions-Lab: Intro to DOM

1. **Articles List**

function solve() {

    let title = document.getElementById('createTitle').value

   let text = document.getElementById('createContent').value

   let articlesList = document.getElementById('articles')

    if (title !== '' && text !== ''){

        let article = document.createElement('article')

        let h3 = document.createElement('h3')

        h3.textContent = title

        let p = document.createElement('p')

        p.textContent = text

        article.appendChild(h3)

        article.appendChild(p)

        articlesList.appendChild(article)

    }

    document.getElementById('createTitle').value = ''

    document.getElementById('createContent').value = ''

}

|  |
| --- |
| function solve() { |
|  | let createTitleElement = document.getElementById('createTitle'); |
|  | let createContentElement = document.getElementById('createContent'); |
|  |  |
|  | let createTitleValue = createTitleElement.value; |
|  | let createContentValue = createContentElement.value; |
|  |  |
|  | if (createTitleValue && createContentValue) { |
|  | let titleElement = document.createElement('h3'); |
|  | titleElement.textContent = createTitleValue; |
|  |  |
|  | let contentElement = document.createElement('p'); |
|  | contentElement.textContent = createContentValue; |
|  |  |
|  | let articleElement = document.createElement('article'); |
|  | articleElement.appendChild(titleElement); |
|  | articleElement.appendChild(contentElement); |
|  |  |
|  | let articlesElement = document.getElementById('articles'); |
|  | articlesElement.appendChild(articleElement); |
|  |  |
|  | createTitleElement.value = ''; |
|  | createContentElement.value = ''; |
|  | } |
|  | } |

## 2. Format the Text

function solve(){

let input = document.getElementById('input').textContent;

let separatedInput = input.split('.');

console.log(separatedInput.length)

let output = document.getElementById('output');

let p = document.createElement('p');

for(let i = 0; i < separatedInput.length; i++){

if (separatedInput[i].length > 0){

p.textContent += separatedInput[i] + '.';

}

if ((i + 1) % 3 === 0){

output.appendChild(p);

p = document.createElement('p');

}

else if (separatedInput.length - i <= 2){

output.appendChild(p);

}

}

}

|  |
| --- |
| function solve() { |
|  | let text = document.getElementById('input').textContent.split(".").filter(r => r.length > 0); |
|  | let output = document.getElementById('output'); |
|  | let paragraphs; |
|  |  |
|  | if(text.length > 0){ |
|  | paragraphs = text.length <= 3 ? 1 : text.length / 3; } for(let i=0, p=0; i < paragraphs; i++, p+=3){ let currentP=document.createElement('p'); |
|  | currentP.textContent=text.slice(p, (p + 3)).join(".") + "." ; output.appendChild(currentP); |
|  | } |
|  | } |

## 3.Growing Word

function solve(){

let clicks = 0;

document.querySelector('button').addEventListener('click', () => {

let p = document.querySelector('#exercise p');

if(clicks % 3 === 0){

p.style.color = "blue";

}

else if (clicks % 3 === 1){

p.style.color = "green";

}

else if(clicks % 3 === 2){

p.style.color = "red";

}

clicks++;

p.style.fontSize = `${clicks \* 2}px`; });

}

|  |
| --- |
| function solve(){ |
|  | let clicks = 0; |
|  |  |
|  | document.querySelector('button').addEventListener('click', () => { |
|  |  |
|  | let p = document.querySelector('#exercise p'); |
|  |  |
|  | if(clicks % 3 === 0){ |
|  | p.style.color = "blue"; |
|  | } else if (clicks % 3 === 1){ |
|  | p.style.color = "green"; |
|  |  |
|  | } else if(clicks % 3 === 2){ |
|  | p.style.color = "red"; |
|  | } |
|  |  |
|  | clicks++; |
|  | p.style.fontSize = `${clicks \* 2}px`; |
|  | }); |
|  | } |

## 4.Register Notification

function register() {

let usernameElement = document.getElementById('username');

let emailElement = document.getElementById('email');

let passwordElement = document.getElementById('password');

let usernameInput = usernameElement.value;

let emailInput = emailElement.value;

let passwordInput = passwordElement.value;

let pattrn = /(.+)@(.+).(com|bg)/gm;

if (usernameInput.length > 0 && passwordInput.length > 0 && emailInput.match(pattrn)){

let resultElement = document.getElementById('result');

let h1Element = document.createElement('h1');

h1Element.textContent = 'Successful Registration!'

resultElement.appendChild(h1Element);

// let pElementUsername = document.createElement('p');

// pElementUsername.textContent = `Username: ${usernameInput}`;

// resultElement.appendChild(pElementUsername);

// let pElementEmail = document.createElement('p');

// pElementEmail.textContent = `Email: ${emailInput}`

// resultElement.appendChild(pElementEmail);

// let pElementPassword = document.createElement('p');

// pElementPassword.textContent = `Password: ${('\*').repeat(passwordInput.length)}`

// resultElement.appendChild(pElementPassword);

resultElement.innerHTML += `Username: ${usernameInput}`;

resultElement.appendChild(document.createElement('br'));

resultElement.innerHTML += `Email: ${emailInput}`;

resultElement.appendChild(document.createElement('br'));

resultElement.innerHTML += `Password: ${('\*').repeat(passwordInput.length)}`;

usernameElement.value = '';

emailElement.value = '';

passwordElement.value = '';

setTimeout(() => {

resultElement.innerHTML = '';

}, 5000);

}

}

|  |
| --- |
| function register() { |
|  | let usernameElement = document.getElementById('username'); |
|  | let username = usernameElement.value; |
|  | let passwordElement = document.getElementById('password'); |
|  | let password = passwordElement.value; |
|  | let emailElement = document.getElementById('email'); |
|  | let email = emailElement.value; |
|  | let resultElement = document.getElementById('result'); |
|  | let emailRegex = /(.+)@(.+).(com|bg)/gm; |
|  |  |
|  | if (email.match(emailRegex) && username !== '' && password !== '') { |
|  |  |
|  | let h1Element = document.createElement('h1'); |
|  | h1Element.textContent = 'Successful Registration!'; |
|  |  |
|  | resultElement.appendChild(h1Element); |
|  | resultElement.innerHTML += `Username: ${username}`; |
|  | resultElement.appendChild(document.createElement('br')); |
|  | resultElement.innerHTML += `Email: ${email}`; |
|  | resultElement.appendChild(document.createElement('br')); |
|  | resultElement.innerHTML += `Password: ${('\*').repeat(password.length)}`; |
|  |  |
|  | usernameElement.value = ''; |
|  | emailElement.value = ''; |
|  | passwordElement.value = ''; |
|  |  |
|  |  |
|  | setTimeout(() => { |
|  | resultElement.innerHTML = ''; |
|  | }, 5000); |
|  | } |
|  | } |

## 5.Visited Sites

function solve() {

let aElementsArray = Array.from(document.getElementsByTagName('a'));

aElementsArray.forEach(a => {

a.addEventListener('click', () => {

let spanElement = a.parentNode.children[1];

let spanElementArray = spanElement.textContent.split(' ');

let visitedCounter = Number(spanElementArray[1]);

visitedCounter++

spanElementArray[1] = visitedCounter;

spanElement.textContent = spanElementArray.join(' ');

});

});

}

|  |
| --- |
| function solve(){ |
|  | Array.from(document.getElementsByTagName('a')).forEach(a => { |
|  | a.addEventListener('click', () => { |
|  | let span = a.parentNode.children[1]; |
|  | let visitedCounter = +span.textContent.split(' ')[1] + 1; |
|  |  |
|  | span.textContent = `Visited: ${visitedCounter} times`; |
|  | }); |
|  | }); |
|  | } |