﻿**FETCH API - Introduction**

**Get Text**

HTML

<button id=”getData”>Get Data</button>

<div id=”outputContainer”></div>

JavaScript

let getData = document.getElementById(‘getData’);

let outputContainer = document.getElementById(‘outputContainer’);

getData.addEventListener(‘click’, get);

function get() {

fetch(‘sample.txt’) //local text file

.then((res) => res.text()) //res = response. text() is a method of the res obj

.then((data) => outputContainer.innerHTML = data;)

.catch((err) => console.log(err)); //catch any errors

}

**local json file**

JSON

*users.json*

[

{

“id”: 1,

“name”: “Ali Issaee”,

“email”: “[rezaa91@hotmail.co.uk](mailto:rezaa91@hotmail.co.uk)”

},

{

“id”: 2,

“name”: “Lauren Foster”,

“email”: “[laurenfoster1990@hotmail.co.uk](mailto:laurenfoster1990@hotmail.co.uk)”

}

]

JavaScript

function get() {

fetch(‘users.json’)

.then((res) => res.json())

.then((data) => {

let output = ‘<h2>Users</h2>’;

data.forEach(function(users) {

output += `

<ul>

<li>ID: ${users.id}</li>

<li>Name: ${users.name}</li>

<li>Email: ${users.email}</li>

</ul>

`;

});

outputContainer.innerHTML = output;

})

}

**Outside API (JSON file)**

Get data to practice from: [www.jsonplaceholder.typicode.com/posts](http://www.jsonplaceholder.typicode.com/posts)

//similar to above as is still a JSON file, you fetch from the url instead

function get(){

fetch(‘www.jsonplaceholder.typicode.com/posts’)

.then((res) => res.json())

.then((data) => {

let output = ‘<h2>Posts</h2>’;

data.forEach(function(post) {

output += `

<div>

<h3>${post.title}</h3>

<p>${post.body}</h3>

</div>

`;

});

outputContainer.innerHTML = output;

})

}

**Send POST request**

HTML

<form id=”addPost”>

<input type=”text” id=”title” placeholder=”title...” />

<textarea id=”body” placeholder=”body...”></textarea>

<input type=”submit” id=”submit” />

</form>

JavaScript

let addPost = document.getElementById(‘addPost’);

addPost.addEventListener(‘submit’, postData);

function postData(e) {

e.preventDefault();

//get values

let title = document.getElementById(‘title’).value;

let body = document.getElementById(‘body’).value;

//fetch/post data

fetch(‘www.jsonplaceholder.typicode.com/posts’, {

method: ‘POST’,

headers: { //in JSON format

‘Accept’: ‘application/json, text/plain, \*/\*’,

‘Content-type’: ‘application/json’

},

body: JSON.stringify({title:title, body:body})

})

.then((res) => res.json())

.then((data) => console.log(data)) //post to console

}