# Lab 9: Fetching web apis + node ejs

1. Download the provided starter code from Moodle.
2. In this lab you have an api that is available online at:

<https://mocki.io/v1/8da5ead1-db36-4fcc-ae7e-54b463e06615>

Try querying this api using your browser. Check the structure of the returned JSON data.

We will start with the provided code and display the data on a table:

1. Create a function getLevels, it should fetch the given web api and return an array of java objects with all levels (semesters) . (you can console.log the result to test your function).
2. Create a function populateTableWithCourses, it should be able to accept an array (or collection) of levels and display it on the html table.
3. When a course from the table is clicked, save its code into the form hidden input element (or using element.dataset.code).
4. Finally, when the user enters a phone number, validate the phone number using javascript and send an UPDATE HTTP request with the id and the phone number in the payload.

**Note: To fetch data you can use:**

fetch('http://ipaddress:port/query')

.then(response => response.json())

       .then( data => {

        // use the data object (an array) here

       })

       .then( () => {

          // add event listeners to created DOM elements

       })

       .catch((reject) => {

            console.log("Could not load data..." + reject);

       });

Note 2: How to send an HTTP request using javascript:

fetch("https://mywebapi.sa/updatePhone", {

method: "POST",

body: JSON.stringify({

id: 1,

phone: “165165”

}),

headers: {

"Content-type": "application/json; charset=UTF-8"

}

});