# Lab 6: JavaScript intro

**IDE: You need to work with a local IDE like VScode for this lab.**

1. Download the provided starter code from Moodle.
2. Inspect the code that is provided. Notice the data that is in the data.js file.

In the following, never modify the data.js file.

1. Run the page. Click on ctrl+shift+i to open the developer tools of chrome. Refresh the page to re-execute the small provided script.
2. Add a breakpoint on the first line of the lab06.js file and run with “start debugging” with **Node** to check the VSCode debugger.

A screenshot of a computer

Description automatically generated

1. In the debugger left panel, add a new expression in the watch list (for example msg + “ there”. Re-run (debug mode) the code to check the added expression to watch.
2. In the file lab06.js, write code to create an array of objects by parsing the given data using JSON.parse (see chapter 3 page 37). You can use arr.push() to add elements to the array.

Test your code by opening the index.html file in live server. Use console.log() to output the state of the array.

1. Create a constructor function (***Customer***) to create new objects with the same structure. Create two new objects using this constructor function. Add these two new objects to the array containing the objects loaded from the data file.
2. Add an output function property that outputs a string representation for objects created using the Customer constructor.
3. Write a function that returns an array containing all the customers from a given city. Write some test code using console.log() .