**JavaScript:**

Async vs defer:

Async: Keep parsing the html file while downloading the js file.

Defer: only download the js file when html file is completely parsed.

* It should be kept in mind, what type of files are to be kept in modules and what in the main file, because of the scoping problems.
* JavaScript is a prototype based object oriented programming language.
* JavaScript is weakly typed language -> issue with + symbol when used sometimes.
* What is object -> collection of data.
* Example; const backpack = {}
  + Stores the key-value pair
  + “this” keyword refers to the current object
  + And can even have functions.
* Const is must
* Backpack should always be used after declaration.
* Dom -> Logical Hierarchy
* querySelector(‘main’)
* querySelectorAll
* Things we can do with these 2.
  + We can do anything with these “2”
  + Replace, append, delete, insertBefore, insertAfter, Styling etc.
  + Classes, attributes, styles
  + Append, prepend

Example code:

Const mainNav = document.createElement(“Nav”);

mainNav.classList.add(“main-navigation”);

const navList = document.createElement(“ul”);

navList.innerHTML = navContent;

document.querySelector(“.siteheader”).append(mainNav);

* Var is globally scoped -> even if declared inside the function.
* Shift vs unshift in arrays
* Eventlistner can be added to any element in the HTML DOM tree, either by anonymous functions or by call back functions.