Assignments for basic front-end technologies:

Self study

1. Complete the standard w3schools tutorial for basic HTML:
   https://www.w3schools.com/html/
2. Complete the standard w3schools tutorial for basic CSS:
   https://www.w3schools.com/css/default.asp
3. Complete the standard w3schools tutorial for basic JS:
   https://www.w3schools.com/js/default.asp
4. Complete the standard w3schools tutorial for basic JQuery:
   https://www.w3schools.com/jquery/default.asp
5. Complete and explore the standard tutorials for Bootstrap:
   https://www.w3schools.com/bootstrap4/bootstrap_get_started.asp
   https://getbootstrap.com/docs/4.0/getting-started/introduction/

Coding challenge

Create a web page with HTML, CSS(Or Bootstrap), Javascript(Or JQuery) and implement a simple dynamic pagination functionality. The data can be a list of books with three properties: bookId, title, and authorName. You can mock the data inside a Javascript object. There should be 20 books and each page should show maximum 6 books/records. The pagination links should not load a new page and must use Javascript to dynamically modify and update the DOM: (https://www.w3schools.com/js/js_htmldom_document.asp).

The look & feel can be something similar to the following:

Behavior: By clicking on the page numbers or arrows a page with allowed maximum number of books should be shown consistently. The whole navigation should be done without loading a new html page and you should only implement one HTML page and the logic should be implemented using JavaScript to update the DOM structure by adding or removing nodes(TD, TR, DIV etc) based on events(e.g click events).