Notes:

* PreventDefault not working

Library project

* All books will be in the table in Index
* **In HTML**:
  + add form for library to be in. Titled “form”, below h1
  + add 3 divs for Title, Author, and Read.
  + Remove action from form id, ID is “form”
* **IN CSS**
  + Create class for “book” with constructor containing values for Title, Author, Read property. This.read = read; is a boolean
  + Create class for “library”
    - Will have book count, and array with book objects that we create from “class book” and methods
    - BookCount & and Books.
    - Don’t pass in bookCount. Default to **books.length**
  + **Add method** for **markRead**. Will mark “read property” of book to TRUE
    - will take in checkbox and id, which will loop through each book
    - will compare the ID that was passed in to the books ID and change the checkbox, read and disabled property on the checkbox (can’t ‘unread’ a book, so once box is checked, cannot uncheck it.
  + create const books = array, add in name of the wind and Patrick rothfuss, since we already know they are there from html. Set read : true;
  + **addBook** method
    - create new book, pass it in to “books” array, create a new table row, new table cells, and display to DOM.
    - **IN HTML** find tables and ids, then add them in to method.
      * **Ie**: const title = document.getElementById(“title”)
    - Access their value to pass in. Creates new book
      * Const newBook = new Book(title.value, author.value, read.value);
    - **Display to the DOM**
      * Push new book instance into the books array
        + This.books.push(newBook);
      * Create the elements and append them to the correct parents
      * **Select the table**:
      * **IN HTML**:select ‘table body’ add **id**:tableBody. Need to select “table body” to append table rows to
      * **Create new table body**:
        + const tbody = document.getElementById(“tableBody”);
      * **Create new Table Row**:
        + const newTr = document.getElementById(“tr”);
      * **Create 3 new table data cells**:
        + const newTitle = document.getElementById(“td”);
        + const newAuthor = document.getElementById(“td”);
        + const newRead = document.getElementById(“td”);
      * **Append the table data to the table row**
        + newTr.append(newTitle, newAuthor, newRead);
      * **Append the table row to the table body**
        + Tbody.appendChild(newTr);
      * **Increment bookCount**: do it after this.books.push(newBook);
        + this.bookCount++;
    - **Select Form**: after data is entered and button is clicked, submit data to form. Do not want form to refresh page, which it does by default. Do not want that to happen.
      * Const form = document.getElementById(“form”);

Form.addEventListener(“submit”, (event) +> {

Event.preventDefault();

Library.addBook();

* + - **Add Library**: books are being submitted to library, add it. Pass in “books” array
      * Const library = newLibrary(books);
    - **In HTML**: Don’t want to be able to add empty values.
      * In forms for title, author: add “required” attribute