WEEK 2:

MINI PROJECT:

PERSONAL LIBRARY:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
  let library=Array();
function addbook(book)
{
library.push(book);
}
function removelastbook()
{
library.pop();
}
function addbooktofront(book)
{
library.unshift(book);
}
function removefirstbook(){
library.shift();

}
function getalltitle()
{
let alltitle=library.map(n=>n.title);
console.log(alltitle);
}
function getbookbyauthor(author)
{
let specificauthor=library.filter(n=>n.author==author);
console.log(specificauthor);
}

function readstatus(status)
```
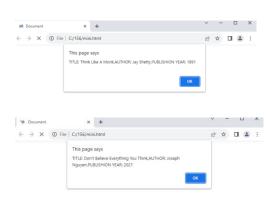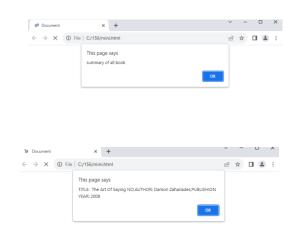
```javascript
{
let readstate=library.filter(n=>n.status==status);
console.log(readstate);
}
function getsublibrary(start,end)
{
let sub=library.slice(start,end);
console.log(sub);
}

let b1={
title:"Don't Believe Everything You Think",
author:"Joseph Nguyen",
yearpub :2021,
status:"read"
}
let b2={
title:"Think Like A Monk",
author:"Jay Shetty",
yearpub :1891,
status:"unread"
}
let b3={
title:" The Art Of Saying NO",
author:"Damon Zahariades",
yearpub :2008,
status:"read"
}
let b4={
title:"Beyond Suffering Bundle",
author:"Joseph Nguyen",
yearpub :2018,
status:"read"
}
let b5={
title:" The Art Of Letting GO",
author:"Damon Zahariades",
yearpub :2012,
status:"unread"
}
function getsummary(book)
{
    alert("TITLE: "+book.title+",AUTHOR: "+book.author+",PUBLISHION YEAR: "+book.yearpub);
}
function togglereadstatus(book)
```

```
{
    alert(book.status);
}
addbook(b2);
addbooktofront(b1);
addbook(b3);
addbook(b4);
addbook(b5);
alert("summary of all book");
alert(`${getsummary(b1)} \n ${getsummary(b2)} \n ${getsummary(b3)} \n ${getsummary(b4)} \n
${getsummary(b5)}`);

alert("the book presented in library");
getalltitle();

alert("book wrote by Joseph Nguyen");
getbookbyauthor("Joseph Nguyen");

alert("book those are already readen");
readstatus("read");

alert("sub library");
getsublibrary(0,4);
    </script>
</body>
</html>
```
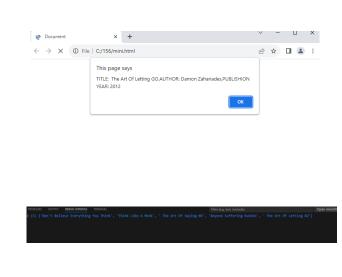
OUTPUT:

This page says
TITLE: Beyond Suffering Bundle,AUTHOR: Joseph Nguyen,PUBLISHION YEAR: 2018

OK

This page says
The Art Of Letting GO,AUTHOR: Damon Zahariades,PUBLISHION YEAR: 2012

OK

This page says
the book presented in library

OK

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   Filter (e.g. text, !exclude)   Open mini.ht
> (5) ['Don't Believe Everything You Think', 'Think Like A Monk', ' The Art Of Saying NO', 'Beyond Suffering Bundle', ' The Art Of Letting GO']

This page says
book wrote by Joseph Nguyen

OK

```
> (2) [{…}, {…}]
> 0: {title: 'Don't Believe Everything You Think', author: 'Joseph Nguyen', yearpub: 2021, status: 'read'}
> 1: {title: 'Beyond Suffering Bundle', author: 'Joseph Nguyen', yearpub: 2018, status: 'read'}
  length: 2
> [[Prototype]]: Array(0)
> [[Prototype]]: Object
```


This page says
book those are already readen

OK

```
> (3) [{…}, {…}, {…}]
> 0: {title: 'Don't Believe Everything You Think', author: 'Joseph Nguyen', yearpub: 2021, status: 'read'}
> 1: {title: ' The Art Of Saying NO', author: 'Damon Zahariades', yearpub: 2008, status: 'read'}
> 2: {title: 'Beyond Suffering Bundle', author: 'Joseph Nguyen', yearpub: 2018, status: 'read'}
  length: 3
> [[Prototype]]: Array(0)
> [[Prototype]]: Object
```


This page says
sub library

OK

```
> (4) [{…}, {…}, {…}, {…}]
> 0: {title: 'Don't Believe Everything You Think', author: 'Joseph Nguyen', yearpub: 2021, status: 'read'}
> 1: {title: 'Think Like A Monk', author: 'Jay Shetty', yearpub: 1801, status: 'unread'}
> 2: {title: ' The Art Of Saying NO', author: 'Damon Zahariades', yearpub: 2008, status: 'read'}
> 3: {title: 'Beyond Suffering Bundle', author: 'Joseph Nguyen', yearpub: 2018, status: 'read'}
  length: 4
> [[Prototype]]: Array(0)
> [[Prototype]]: Object
```