**JS-E6 Part-1 Assignment (14-03-19)**

**Q1. Given this array: `[3,62,234,7,23,74,23,76,92]`, Using arrow function, create an array of the numbers greater than `70`.**

Ans:-

var a=[3,62,234,7,23,74,23,76,92];

a.filter(function(x){

if (x>70)

console.log("Value: "+x); // 234,74,76,92

});

**Q2. Select all the list items on the page and convert to array.**

var x=document.querySelectorAll("li");

//console.log(x);+

var arr1=[];

for(var i=0;i<x.length;i++){

arr1.push(x[i].innerText);

}

console.log(arr1);

1. **Filter for only the elements that contain the word 'flexbox'**

var arr2=arr1.filter(str=>str.includes("Flexbox")) ;

console.log(arr2);

1. **map down to a list of time strings**

var temp = Array.prototype.slice.call(x);

var arr3 = temp.map(value => {

return value.dataset.time;

})

console.log(arr3)

1. **map to an array of seconds**

var arr4 = arr3.map(time => {

return time.split(':')[0]\*60+parseInt(time.split(':')[1]);

})

1. **reduce to get total using .filter and .map**

|  |  |
| --- | --- |
| <ul> |  |
|  | <li data-time="5:17">Flexbox Video</li> |
|  | <li data-time="8:22">Flexbox Video</li> |
|  | <li data-time="3:34">Redux Video</li> |
|  | <li data-time="5:23">Flexbox Video</li> |
|  | <li data-time="7:12">Flexbox Video</li> |
|  | <li data-time="7:24">Redux Video</li> |
|  | <li data-time="6:46">Flexbox Video</li> |
|  | <li data-time="4:45">Flexbox Video</li> |
|  | <li data-time="4:40">Flexbox Video</li> |
|  | <li data-time="7:58">Redux Video</li> |
|  | <li data-time="11:51">Flexbox Video</li> |
|  | <li data-time="9:13">Flexbox Video</li> |
|  | <li data-time="5:50">Flexbox Video</li> |
|  | <li data-time="5:52">Redux Video</li> |
|  | <li data-time="5:49">Flexbox Video</li> |
|  | <li data-time="8:57">Flexbox Video</li> |
|  | <li data-time="11:29">Flexbox Video</li> |
|  | <li data-time="3:07">Flexbox Video</li> |
|  | <li data-time="5:59">Redux Video</li> |
|  | <li data-time="3:31">Flexbox Video</li> |
|  | </ul> |

**Q3. Create a markup template using string literal**

const song = {

name: 'Dying to live',

artist: 'Tupac',

featuring: 'Biggie Smalls'

};

Result:

"<div class="song">

<p>

Dying to live — Tupac

(Featuring Biggie Smalls)

</p>

</div>

“

Ans:- const markup=`

<div class="song">

<p>

${song.name} - ${song.artist}

(Featuring ${song.featuring})

</p>

</div>`

console.log(markup);

**Q4. Extract all keys inside address object from user object using destructuring ?**

const user = {

firstName: ‘Sahil’,

lastName: ‘Dua’,

Address: {

Line1: ‘address line 1’,

Line2: ‘address line 2’,

State: ‘Delhi’,

Pin: 110085,

Country: ‘India’,

City: ‘New Delhi’,

},

phoneNo: 9999999999

}

Ans:

var a={Address:{

Line1: add1,

Line2: add2,

State: add\_state,

Pin: pincode,

Country: country,

},} = user;

console.log(add1)

console.log(add2)

console.log(add\_state)

console.log(pincode)

console.log(country)

console.log(a);