Web Development

JavaScript – Labo 2

Arrays

Arrays in JavaScript

```
let emptyArray = [];

const numbers = [1, 2, 3, 4];

const mixed = [1, 'text', false];
```

Lengte van een array

```
const numbers = [1, 2, 3, 4];

numbers.length; // 4
```

Index

```
const myArray = [100, 200, 300];

console.log(myArray[0]); // 100
console.log(myArray[1]); // 200
console.log(myArray[2]); // 300
```

Aanpassen van arrays

```
let names = ['Alice', 'Bob'];

names[0] = 'Carl';
```

```
const names = ['Alice', 'Bob'];

names[0] = 'Carl';
```

Nuttige methodes

```
const heroes = ['Iron Man', 'Black Widow', 'Thor'];

heroes.push('Hulk');
// ['Iron Man', 'Black Widow', 'Thor', 'Hulk']

heroes.pop();
// ['Iron Man', 'Black Widow', 'Thor']

heroes.shift();
// ['Black Widow', 'Thor']
```

```
heroes.unshift('Captain Marvel');
// ['Captain Marvel', 'Black Widow', 'Thor']

heroes.slice(1, 3);
// ['Black Widow', 'Thor']

heroes.join(', ');
// Captain Marvel, Black Widow, Thor
```

Loops

For loop

```
for (let i = 0; i < 4; i += 1) {
  console.log(i);
};
```

While loop

```
let i = 0;

while (i < 5) {
  console.log(i);

  i++;
}
```

Do... while loop

```
let x = 0
let i = 0

do {
  x = x + i;
  console.log(x)
  i++;
} while (i < 5);
```

Loops en arrays

```
for (let i = 0; i < array.length; i++){
  console.log(array[i]);
}
```

DOM tree benaderen

getElement…

```
let mainContent =
     document.getElementById('main');

let evenRows =
     document.getElementsByClassName('even');

let images =
     document.getElementsByTagName('img');
```

Labo 2

Opdrachten

- Codecademy
  - Arrays
  - Loops
- PDF
  - Arrays
  - Opdracht: Arrays **(GitHub)**
  - Eenvoudige input en output
  - Opdracht 01 **(GitHub)**
  - Elementen uit de DOM-tree opvragen

Opdrachten

- PDF
  - Opdracht 02 **(Controle tijdens de les)**
  - De innerHTML property
  - Opdracht 03 **(GitHub)**
  - Opdracht 04 **(Controle tijdens de les)**
  - Opdracht 05 **(GitHub)**
  - Tekstvelden uitlezen -> demonstraties op Toledo **(Code kunnen uitleggen)**
  - Opdracht 06 & Opdracht ‘kopieer’ **(GitHub, mag op dezelfde pagina)**
  - Opdracht ‘substring’ **(GitHub)**
- **Deadline: dinsdag 1 maart 23u59**