Abel Kalamar



HTML and CSS basics

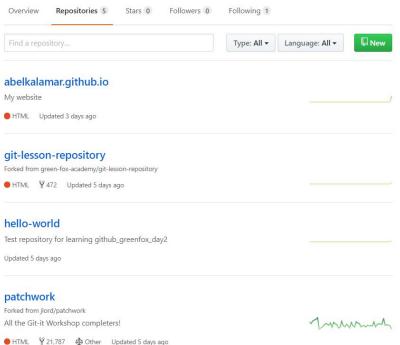




using CLI and GitHub

```
MINGW64:/D/Ábi/Saját/Greenfox/abelkalamar/Week-02/Day-02
belkalamar@DESKTOP-2I51CLR MINGW64 /D/Abi/Saját/Greer
v-02 (master)
dir01/ dir02/ dir03/ dir04/ dir05/ first-task/
abelkalamar@DESKTOP-2I51CLR MINGW64 /D/Abi/Saját/Gree
v-02 (master)
$ cd ../../Week-02/Day-02
abelkalamar@DESKTOP-2I51CLR MINGW64 /D/Abi/Saját/Green
v-02 (master)
                       09 sum-elements.ts
01_doubling.ts
                                                16_co
02_greets.ts
                       10_swap-elements.ts
                                                17_sun
03_append-a-func.ts
                       11_print-all.ts
                                                18 ma
                       11_print-all-v2.ts
                                                19_rev
04 sum.ts
                       12_change-elements.ts
05 factorio.ts
                                                20_un
                       13 increment-element.ts 21 but
06_print-param.ts
07 third.ts
                       14_append-a.ts
08_compare-lengths.ts 15_double-items.ts
abelkalamar@DESKTOP-2I51CLR MINGW64 /D/Abi/Saját/Greer
y-02 (master)
```





JavaScript and TypeScript basics

```
let lineCount: number = 10;
let result: string = '*'
                                                  ***
                                                  ****
for (let i: number = 1; i <= lineCount; i++) {
                                                  *****
  console.log(result);
                                                  *****
  result += '*';
                                                  ******
                                                  *******
                                                  ********
```

JavaScript and TypeScript basics

```
let lineCount: number = 10;
let star: string = '*';
                                                ****
let spaceNum: number = lineCount;
for (let i: number = 1; i <= lineCount; i++) {
                                              ******
 let spc: string = (' ').repeat(spaceNum);
                                             ********
 console.log(spc + star);
                                            *********
 star += '**';
                                          **********
 spaceNum--;
                                         ***********
                                        ************
```

Challenges

• 2D arrays

```
for (let i: number = 0; i < size; i++) {
    matrix.push([]);
    matrix[i].push([]);
    for (let j: number = 0; j < size; j++) {
        if (i + j == (size - 1)) {
            matrix[i][j] = 1;
        } else {
            matrix[i][j] = 0;
        }
    }
}</pre>
```

```
[ [ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 ], [ 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 ], [ 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 ], [ 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 ], [ 0, 0, 0, 0, 0, 1, 0, 0, 0, 0 ], [ 0, 0, 0, 0, 1, 0, 0, 0, 0, 0 ], [ 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 ], [ 0, 0, 1, 0, 0, 0, 0, 0, 0, 0 ], [ 0, 0, 1, 0, 0, 0, 0, 0, 0, 0 ], [ 0, 1, 0, 0, 0, 0, 0, 0, 0, 0 ], [ 0, 1, 0, 0, 0, 0, 0, 0, 0, 0 ], [ 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 ]]
```

```
console.log(matrix);
```

+ 1 thought

console.log(uniq(array));

remove duplicates from an array

```
let array: any[] = [0, 3, 55, 3, 'hello', 0, 53, 0, 'hello', 3];
function uniq(arr: any[]): any[] {
 let uniqArr: any[] = [];
 for (let i: number = 0; i < arr.length; i++) {
   if (arr.indexOf(arr[i]) == i) {
     unigArr.push(arr[i]);
                                                  Output:
 return unigArr;
                                                 [ 0, 3, 55, 'hello', 53 ]
```

Thank you for your attention!

