13.4 - TIFC2DEV-SD-04-1/Evaluación del Laboratorio de Manipulación de Arrays

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Evidencia código JS:

Task1:

```js
src > JS task1.js > ...
1    const arr = []
2
3    // Escribe tu codigo por debajo de esta linea
4
5    for (let i = 1; i <=20; i++) {
6    arr.push(i);
7      };
8    console.log(arr);
9    |
10
11
12   // Escribe tu codigo por encima de esta linea
13
14   //No tocar esta funcion
15   export function taskArr(){
16     return arr;
17   }
18
```

Task2:

```js
src > JS task2.js > ...
1    const arr = [16,15,14,13,12,11,10,9,8,7,6,5,4,3,2,1]
2
3    // Escribe tu codigo por debajo de esta linea
4
5    arr.reverse();
6    console.log(arr);|
7    // Escribe tu codigo por encima de esta linea
8
9    //No tocar esta funcion
10   export function taskArr(){
11     return arr;
12   }
13
```

Task3:

```js
1    const arr = [1,2,3,4,5,6,7,9,10,11,12]
2
3    // Escribe tu codigo por debajo de esta linea
4
5    arr.splice(7,0,8);
6
7    console.log(arr)
8    |
9    // TEscribe tu codigo por encima de esta linea
10
11   //No tocar esta funcion
12   export function taskArr(){
13     return arr;
14   }
15
```

Task4:

```
src > JS task4.js > ...
  1    const arr = [1,2,3,4,5,5,6,7,8,9,10,11,12,13,14]
  2
  3    // Escribe tu codigo por debajo de esta linea
  4
  5    arr.splice(5,1);
  6    console.log(arr);
  7
  8  ⌄ // TEscribe tu codigo por encima de esta linea
  9
 10    //No tocar esta funcion
 11  ⌄ export function taskArr(){
 12      return arr;
 13    }
 14
```

Task5:

```
src > JS task5.js > ...
  1    const arr0 = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24]
  2
  3    // Type your code below this line!
  4    ARR=arr0.join(',');
  5
  6    console.log(ARR);
  7
  8
  9    // Type your code above this line!
 10    console.log("hola")
```

Task6:

```
src > JS task6.js > ...
  1    const arr1 = ["hello"]
  2    const arr2 = ["world"]
  3
  4    // Type your code below this line!
  5    const holaMundo= arr1.concat(arr2);
  6
  7    console.log(holaMundo);
  8
  9
 10    // Type your code above this line!
```

Task7:

```js
src > JS task7.js > ...
  1    const arr = [
  2        [0,1,2,3,4,5,6,7,8,9],
  3        [10,11,12,13,14,15,16,17,18,19],
  4        [20,21,22,23,24,25,26,27,28,29]
  5    ]
  6
  7        // Type your code below this line!
  8    arr[0].push(10);
  9    arr.push([30,31,32,33,34,35,36,37,38,39]);
 10    arr[1].splice(0, 1);
 11    arr[2].reverse();
 12
 13    console.log(arr);
 14
 15        // Type your code above this line!
```

Node Test:

```
hp@DESKTOP-K5O3JPG MINGW64 ~/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js (main)
$ npm run test

> sd-04-01-js@1.0.0 test
> vitest


 DEV  v3.2.4 C:/Users/hp/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js

stdout | test/task2.test.js
[
   1,  2,  3,  4,  5,  6,
   7,  8,  9, 10, 11, 12,
  13, 14, 15, 16
]

stdout | test/task1.test.js
[
   1,  2,  3,  4,  5,  6,  7,
   8,  9, 10, 11, 12, 13, 14,
  15, 16, 17, 18, 19, 20
]

 ✓ test/task2.test.js (1 test) 6ms
 ✓ test/task1.test.js (1 test) 6ms
stdout | test/task3.test.js
[
   1,  2, 3, 4,  5,
   6,  7, 8, 9, 10,
  11, 12
]

 ✓ test/task3.test.js (1 test) 3ms
stdout | test/task4.test.js
[
   1,  2, 3,  4,  5,  6,
   7,  8, 9, 10, 11, 12,
  13, 14
]

 ✓ test/task4.test.js (1 test) 3ms

 Test Files  4 passed (4)
      Tests  4 passed (4)
   Start at  16:15:14
   Duration  1.24s (transform 63ms, setup 0ms, collect 190ms, tests 19ms, environment 1ms, prepare 970ms)

 PASS  Waiting for file changes...
       press h to show help, press q to quit
```

Ejecución de las tareas extra en GitBash:

```
hp@DESKTOP-K5O3JPG MINGW64 ~/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js (main)
$ node src/task5
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
hola

hp@DESKTOP-K5O3JPG MINGW64 ~/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js (main)
$ node src/task6
[ 'hello', 'world' ]

hp@DESKTOP-K5O3JPG MINGW64 ~/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js (main)
$ node src/task7
[
  [
     0, 1, 2, 3, 4,
     5, 6, 7, 8, 9,
    10
  ],
  [
    11, 12, 13, 14, 15,
    16, 17, 18, 19
  ],
  [
    29, 28, 27, 26, 25,
    24, 23, 22, 21, 20
  ],
  [
    30, 31, 32, 33, 34,
    35, 36, 37, 38, 39
  ]
]

hp@DESKTOP-K5O3JPG MINGW64 ~/Documents/ABI/Laboratorio ManipulacionArrays/SD-04-01-js (main)
$ |
```