

P1: getUsers(), changeBtnText() for Week 06

The screenshot shows a web application running in a browser. The browser window displays a "DOM Array Methods" page with a table of user data and a sidebar with buttons. The source code in the background shows the implementation of the `getUsers()` and `changeBtnText()` functions. The console shows the output of the `getUsers()` function, which returns an array of user objects.

DOM Array Methods

Person	Wealth
Kübra Babaoglu	\$8,802,571.00
Mira Althaus	\$5,877,185.00
Melaine da Paz	\$9,180,033.00
Naja Andersen	\$9,453,523.00
Holly Wilson	\$6,878,424.00

Buttons: Add users (5), Raise Money * 1.5, Show > 2000000, Sort by Richest, Calculate entire Wealth.

Source Code (script.js):

```

46   };
47   addData(newUser);
48   };
49
50   const getUsers = () => {
51     for (let i = 0; i < config.numRandom; i++) {
52       getRandomUser();
53     }
54   };
55
56   getUsers();
57
58   // getRandomUser();
59   // getRandomUser();
60   // getRandomUser();
61
62   const changeBtnText = () => {
63     addUserBtn.textContent = `Add users (${config.numRandom}) 🧑‍🦲`;
64     doubleBtn.textContent = `Raise Money * ${config.ratio} 💰`;
65     showMillionairesBtn.textContent = `Show > ${config.showCondition} 📊`;
66   };
67
68   changeBtnText();
69
70   const doubleMoney = () => {
71     data = data.map((user) => {
72       return {
73         name: user.name,

```

Console:

```

data > (5) [(-), (-), (-), (-), (-)] script.js:49
tempData <div class="person"> script.js:23
<strong>Kübra Babaoglu</strong>
<strong>Mira Althaus</strong>
<strong>Melaine da Paz</strong>
<strong>Naja Andersen</strong>
<strong>Holly Wilson</strong>

```

The screenshot shows a GitHub repository page for "chen945 / 1102_javascript_76". The page displays the repository's main branch, "main", and a commit history. The commit history shows a commit by "chen945" titled "P1: getUsers(), changeBtnText() for Week 06" committed 19 hours ago.

Repository: chen945 / 1102_javascript_76

Commits on Apr 13, 2022

P1: getUsers(), changeBtnText() for Week 06
 chen945 committed 19 hours ago

P2: add w08 md link in README.md

Run Terminal Help

w08.md

index.html script.js w08.md README.md

1 **### P1: getUsers(), changeBtnText() for Week 06**

2

3 **![[img1]](./P1.png)**

4

5 **![[img1-1]](./P1-1.png)**

6

7 **### P2: add w08 md link in README.md**

8

9 **![[img2]](./p2.png)**

10

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL

Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 45.39 KiB | 2.67 MiB/s, done.
Total 7 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local
To https://github.com/chen945/1102_javascript_76.git
56e7ff0..b115535 main -> main

Doris@LAPTOP-LUHKKOBS MINGW64 /c/1102_javascript_76 (main)

github.com/chen945/1102_javascript_76

main Go to file Add file Code About

chen945 add w08 md link in README.md (v2) 14 seconds ago 10

array_demo_76 P1: getUsers(), changeBtnText() for Week ... 19 hours ago

guess-starter-76 guess-starter-76 21 hours ago

md add w08 md link in README.md (v2) 14 seconds ago

menu-starter-76 menu-starter-76 21 hours ago

omnifood_76 omnifood_76 21 hours ago

w01-tictactoe P1: getUsers(), changeBtnText() for Week ... 19 hours ago

w02 w02-classdemo-view 21 hours ago

README.md add w08 md link in README.md (v2) 14 seconds ago

README.md

1102_javascript_76

[W08-md]
(https://github.com/chen945/1102_javascript_76/blob/main/md/w08/w08.md)

No description, website, or topics provided.

Readme 0 stars 1 watching 0 forks

No releases published
Create a new release

No packages published
Publish your first package

Languages
CSS 40.9% JavaScript 33.8% HTML 25.3%

chen945 / 1102_javascript_76 Public

Pin Unwatch 1 Fork 0 Star

chen945
Owns this repository
Committed to this repository in the past day

add w08 md link in README.md
chen945 committed 13 seconds ago

56e7ff0 <>

P3: SortByRichest

The screenshot shows a web application running in a browser at `127.0.0.1:5500/array_demo_76/...`. The application has a sidebar with buttons: "Add users (5)", "Raise Money * 1.5", "Show > 2000000", "Sort by Richest", and "Calculate entire Wealth". The main content area is titled "DOM Array Methods" and displays a table of people and their wealth. The table is circled in red.

Person	Wealth
Amado Cavalcanti	\$8,748,807.00
Veera Wuollet	\$3,302,114.00
Alba Moura	\$3,144,623.00
Luke Simmons	\$1,268,182.00
Mona Doodeman	\$1,175,645.00

The VS Code editor shows the source code for `script.js`. The `sortByRichest` function is highlighted with a red box:

```
const sortByRichest = () => {  
  data.sort((a, b) => {  
    return b.money - a.money;  
  });  
  updateDOM();  
};
```

The screenshot shows the GitHub repository page for `chen945 / 1102_javascript_76`. The page is public and shows the `main` branch. The commit history is displayed, with the most recent commit being `### W08-P3: SortByRichest` by `chen945`, committed 40 seconds ago on April 14, 2022.

P4: trace total using offline W3School

The screenshot shows a web browser window with the URL `D:/w3schools%20Offline%20Version%202020/www.w3schools.com/jsref/tryitdf4.html?filename=tryjsref_reduce2`. The code editor displays the following HTML and JavaScript code:

```
<!DOCTYPE html>
<html>
<body>

<p>Click the button to get the sum of the rounded numbers
in the array.</p>
<button onclick="myFunction()">Try it</button>

<p>Sum of numbers in array: <span id="demo"></span></p>

<script>
var numbers = [10,2,1,4];

function myFunction(item) {
  const total = numbers.reduce((total, num,index) =>{
    console.log('total index num',total,index,num);
    return total+num;
  },0);
  document.getElementById("demo").innerHTML = total;
}
</script>
</body>

<!-- Mirrored from www.w3schools.com/jsref/tryit.asp?
filename=tryjsref_reduce2 by HTTrack Website Copier/3.x
[XR&C0'2014], Mon, 27 Jan 2020 03:01:27 GMT -->
</html>
```

The console output shows the following messages:

```
total index num 0 0 10
total index num 10 1 2
total index num 12 2 1
total index num 13 3 4
```

The button "Try it" is highlighted with a red circle. The console output is also highlighted with a red circle.

The bottom part of the image shows a GitHub repository page for `chen945 / 1102_javascript_76`. The commit history shows a commit by `chen945` on April 14, 2022, with the message `w08-P4: trace total using offline W3School`.

P5: Count wealth total for all users money

The screenshot shows a web application running in a browser at `127.0.0.1:5500/array_demo_76/...`. The application displays a table of user wealth data. The table has columns for 'Person' and 'Wealth'. The data is as follows:

Person	Wealth
Lucia Marin	\$7,032,700.
Ernesto Caballero	\$8,183,951.
Marina Santiago	\$3,605,581.
Filippa Thomsen	\$4,616,502.
Lucille Silva	\$8,251,928.
Total Wealth: \$10.0	

The browser's developer tools show the console with the following output:

```
<strong>Filippa Thomsen</strong>
$4,616,502.00</div>
random user data
> {results: Array(1), info: {-}}
data
> (5) [(-), (-), (-), (-), (-)]
tempData <div class="person"> script.js:23
<strong>Lucia Marin</strong>
<strong>Ernesto Caballero</strong>
<strong>Marina Santiago</strong>
$3,605,581.00</div><div class="person">
<strong>Filippa Thomsen</strong>
$4,616,502.00</div><div class="person">
<strong>Lucille Silva</strong>
$8,251,928.00</div>
total index num 0 script.js:97
> {name: 'Lucia Marin', money: 7032700} 0
total index num 0 script.js:97
> {name: 'Ernesto Caballero', money: 8183951} 1
total index num 1 script.js:97
> {name: 'Marina Santiago', money: 3605581} 2
total index num 3 script.js:97
> {name: 'Filippa Thomsen', money: 4616502} 3
total index num 6 script.js:97
> {name: 'Lucille Silva', money: 8251928} 4
```

The VS Code editor shows the source code for `array_demo_76`. The code includes a `calculateWealth` function that uses `data.reduce` to calculate the total wealth. The function is highlighted with a red circle. The code also includes a `sortByRichest` function and a `calculateWealth` function that uses `data.reduce` to calculate the total wealth. The code is as follows:

```
const sortByRichest = () => {
  data.sort((a, b) => {
    return b.money - a.money;
  });
  updateDOM();
};

const calculateWealth = () => {
  const wealth = data.reduce((total, index, num) => {
    console.log("total index num", total, index, num);
    return total + num;
  }, 0);
  main.innerHTML += `<h3>Total Wealth: <strong>${format(
    wealth
  )}</strong></h3>`;
};
updateDOM();

addUserBtn.addEventListener("click", getRandomUser);
doubleBtn.addEventListener("click", doubleMoney);
showMillionairesBtn.addEventListener("click", showMillionaires);
sortBtn.addEventListener("click", sortByRichest);
calculateBtn.addEventListener("click", calculateWealth);
```

The screenshot shows the GitHub repository page for `chen945 / 1102_javascript_76`. The repository is public. The page shows the `main` branch selected. The commit history shows a commit by `chen945` on April 14, 2022, with the message `W08-P5: Count wealth total for all users money`. The commit was made 15 seconds ago.