WPT - Lab 9

LAB Questions

1) under calc.js write 2 functions -1 to calculate product of 2 sumbers 2 - sum of 2 numbers

Export both the functions.

Import and call these functions from another module.

```
day_9-app > src > JS calc.js > ⊗ sum
1    export function product(num1=0, num2=0){
2        return num1*num2;
3    }
4
5    export function sum(num1=0, num2=0){
6        return num1+num2;
7    }
```

```
day_9-app > src > JS calcMain.js > ...
1    import { product,sum } from "./calc.js";
2
3    function main(){
4        console.log("Product is : ", product(23,56));
5
6        console.log("Sum is : ", sum(34,76));
7    }
8
9    main();
```

OUTPUT :

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    COMMENTS

PS D:\cdac_tvm\5. Web programming technology\day_9-app> node src/calcMain.js
Product is :  1288
Sum is :  110
PS D:\cdac_tvm\5. Web programming technology\day_9-app> []
```

2) Create a js function to write a string to a file

Create another js function to read and return the contents of a file.

Call these 2 functions from another module.

```
 1    import {writeFileSync, readFileSync } from "node:fs";
 2
 3  ∨ function Read() {
 4        console.log("Hello World");
 5
 6        let filePath = "D:/cdac_tvm/5. Web programming technology/Day_9/src/demo.txt";
 7        let fileData = readFileSync(filePath, { encoding: "utf-8" });
 8
 9        console.log(fileData);
10    }
11
12  ∨ function Write(){
13        let filePath = "D:/cdac_tvm/5. Web programming technology/Day_9/src/demo.txt";
14        writeFileSync(filePath, "I'm from CDAC TVM")
15    }
16
17
18    Write();
19    Read();
20
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   COMMENTS

```
PS D:\cdac_tvm\5. Web programming technology\Day_9> node src/ReadFile.js
Hello World
I'm from CDAC TVM
PS D:\cdac_tvm\5. Web programming technology\Day_9>
```

3) practice installing & un installing an external module eg:- bootstrap to your Node.js project.

```
PS D:\cdac_tvm\5. Web programming technology> cd Day_9
PS D:\cdac_tvm\5. Web programming technology\Day_9> npm install bootstrap

added 2 packages, and audited 3 packages in 3s

2 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS D:\cdac_tvm\5. Web programming technology\Day_9>
```

```
PS D:\cdac_tvm\5. Web programming technology\Day_9> npm i react

added 3 packages, and audited 6 packages in 2s

2 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS D:\cdac_tvm\5. Web programming technology\Day_9>
```

```
PS D:\cdac_tvm\5. Web programming technology\Day_9> npm uninstall react

removed 3 packages, and audited 3 packages in 5s

2 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS D:\cdac_tvm\5. Web programming technology\Day_9> npm uninstall bootstrap

removed 2 packages, and audited 1 package in 433ms

found 0 vulnerabilities
PS D:\cdac_tvm\5. Web programming technology\Day_9>
```

4) using AJAX make a call to the url

https://jsonplaceholder.typicode.com/todos/

&

https://jsonplaceholder.typicode.com/todos/<id>

and display the results.

```html
1    <!DOCTYPE html>
2    <html lang="en">
3      <head>
4        <meta charset="UTF-8" />
5        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7        <title>Document</title>
8
9        <link
10         href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css"
11         rel="stylesheet"
12         integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJOZ"
13         crossorigin="anonymous"
14       />
15
16       <script src="AjaxCall.js"></script>
17     </head>
18     <body>
19       <input id="todoid" type="text" placeholder="Enter Id" />
20       <input type="button" value="Get data of Id" onclick="AjaxCall()" />
21
22       <div id="parent">
23         <hi>Not Available</hi>
24         <h1>Not Available</h1>
25         <p>Not Available</p>
26       </div>
27
28    💡 <input type="button" value="Get List of IDs" onclick="getAllDetails()" />
29
30       <div id="parent2"></div>
31     </body>
32   </html>
```

```javascript
        //present data to UI
        let parentTag = document.querySelector("#parent");
        let newElement=  `<h1>Userid: ${data.userId}</h1>
<h1>id:${data.id}</h1>
<h1>${data.title}</h1>
<p style="font-size:21px">${data.body}</p>`;

        parentTag.innerHTML = newElement

    }

async function getAllDetails(){
        let url = "https://jsonplaceholder.typicode.com/posts/";
        let result = await fetch(url);
        let list = await result.json();

        for (let item of list) {
            let parentTag = document.querySelector("#parent2");
            let existingElement = parentTag.innerHTML;
            let newElement = `
                    <div class="alert alert-primary">
                    <h1>${item.title}</h1>
                    <p style="font-size:21px">${item.body}</p>
                    </div>
                    `;
        parentTag.innerHTML = newElement + existingElement;
        }
    }
```

| 5 | Get data of Id |

Userid: 1
id:5
nesciunt quas odio
repudiandae veniam quaerat sunt sed alias aut fugiat sit autem sed est voluptatem omnis possimus esse voluptatibus quis est aut tenetur dolor neque

| Get List of IDs |

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