

## WPT Assignment-4

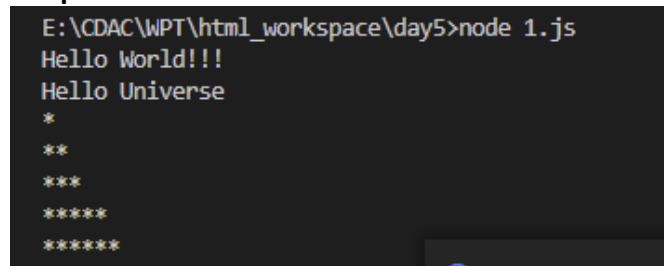
Write a program to perform

- a. all the Java script operation studied till date

//To print anything

```
console.log("Hello World!!!");  
console.log("Hello Universe");  
console.log("");  
console.log("**");  
console.log("****");  
console.log("*****");  
console.log("*****");
```

**Output:**



```
E:\CDAC\WPT\html_workspace\day5>node 1.js  
Hello World!!!  
Hello Universe  
  
*  
**  
***  
****  
*****  
*****
```

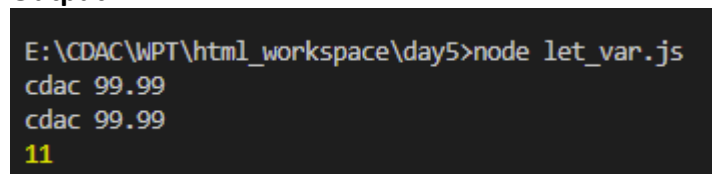
// declare any variable using LET keyword.

```
let username = "cdac";  
let i = 10;  
let price = 99.99;  
let active = true;  
  
let temp = username + " " + price;  
console.log(temp);  
console.log(username + " " + price);
```

//Increment

```
i = i + 1;  
console.log(i);
```

**Output:**



```
E:\CDAC\WPT\html_workspace\day5>node let_var.js  
cdac 99.99  
cdac 99.99  
11
```

### // DECLARE THE VARIABLE using CONST

```
const username = "cdac";
const n = 10;

// n = n + 1;
console.log(n);
console.log(n, username);
//coma can be use instead of concatination operator
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node const_var.js
10
10 cdac
```

### // Works with String

```
let username = "cdac 'is beautiful'";
let username1 = 'cdac "is beatuitful"';
let username2 = `CDAC 'is' "beautiful"`;
```

```
console.log(username);
console.log(username1);
console.log(username2);
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node quote.js
cdac 'is beautiful'
cdac "is beatuitful"
CDAC 'is' "beautiful"
```

### // backtick

```
let city = "mumbai";
let locality = "kharghar";

let address = "I live in " + locality + " in " + city;
let address1 = `I live in ${locality} in ${city}`;

console.log(address);
console.log(address1);
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node var_backtick.js
I live in kharghar in mumbai
I live in kharghar in mumbai
```

## // string using BACKTICK and MULTI LINE STRING

```
let username = `CDAC`;  
let username1 = "CDAC";
```

```
let desc =  
  "This is some story, which begins, early mornign, " +  
  " asdfasdf asdfasf pepple not joingin on timeingadsfasd " +  
  " asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f asd;fnlksasdfasd " +  
  " fasdfasdf asdf;asdfsaf asd fasdf";
```

## // BACKTICK

```
let desc1 = `This is some story, which begins, early mornign,  
  asdfasdf asdfasf pepple not joingin on timeingadsfasd  
  asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f asd;  
  fnlksasdfasd asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f  
  asd;fnlksasdfasdasdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f  
  asd;fnlksasdfasd asdfafasdfjj ma sdfasdfas `;
```

```
let sql =  
  "SELECT USNAMRE, PASSWORD, EMAIL, MOBILE " +  
  "FROM USER JOIN ADDRESS " +  
  "WHERE USERNAM.ID = ADDERSS.UID and USERID=5";
```

```
let sql1 = `SELECT USNAMRE, PASSWORD, EMAIL, MOBILE  
  FROM USER JOIN ADDRESS  
  WHERE USERNAM.ID = ADDERSS.UID and USERID=5 `;
```

```
console.log("\n", desc);  
console.log("\n", desc1);  
console.log("\n", sql);  
console.log("\n", sql1);
```

## Output:

```
E:\CDAC\WPT\html_workspace\day5>node backtick.js  
  
This is some story, which begins, early mornign, asdfasdf asdfasf pepple not joingi  
n on timeingadsfasd asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f asd;fnlksasdfasd fasd  
fasdf asdf;asdfsaf asd fasdf  
  
This is some story, which begins, early mornign,  
  asdfasdf asdfasf pepple not joingin on timeingadsfasd  
  asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f asd;  
  fnlksasdfasd asdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f  
  asd;fnlksasdfasdasdfafasdfjj ma sdfasdfas fm,dsafasdnfasd,f  
  asd;fnlksasdfasd asdfafasdfjj ma sdfasdfas  
  fm,dsafasdnfasd,f asd;fnlksasdfasd  
  
SELECT USNAMRE, PASSWORD, EMAIL, MOBILE FROM USER JOIN ADDRESS WHERE USERNAM.ID = AD  
DERSS.UID and USERID=5  
  
SELECT USNAMRE, PASSWORD, EMAIL, MOBILE  
  FROM USER JOIN ADDRESS  
  WHERE USERNAM.ID = ADDERSS.UID and USERID=5
```

### // string to int

```
let str = "5";  
let i = parseInt(str);  
console.log(str);  
console.log(i);
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node parse.js  
5  
5
```

### //function

```
function add() {  
  let num1 = 10;  
  let num2 = 20;  
  console.log(num1 + num2);  
}  
add();
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node sum.js  
30
```

### //calling the function

```
function sum(n1, n2) {  
  return n1 + n2;  
}
```

```
function mul(p1, p2) {  
  let output = p1 * p2;  
  return output;  
}
```

```
//calling the function  
let output = sum(1, 1);  
let output2 = mul(2, 2);  
console.log(output);  
console.log(output2);
```

#### Output:

```
E:\CDAC\WPT\html_workspace\day5>node math.js  
2  
4
```

## **b. DOM operation.**

### **//element\_selector.html**

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>

    <script src="querySelector.js"></script>
  </head>
  <body>
    <h1>Hello World</h1>

    <div>
      <input type="button" value="Red Color" onclick="red()" />
      <input type="button" value="Green Color" onclick="green()" />
      <input type="button" value="Blue Color" onclick="blue()" />
      <input type="button" value="Reset" onclick="resetColor()" />
    </div>
  </body>
</html>
```

### **//element\_selector.js**

```
function changeColor(p1, p2) {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = p2;
  h1ref.style.background = p1;
}

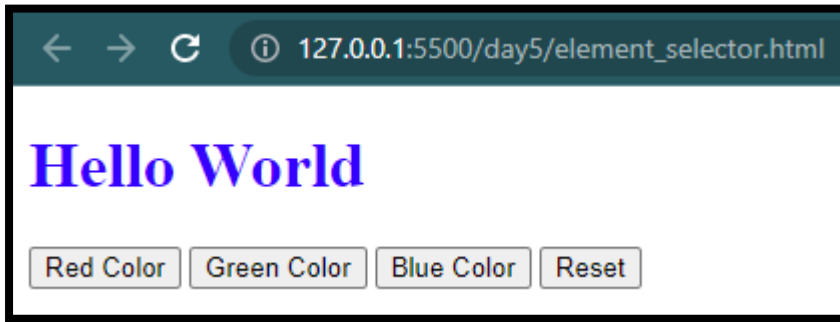
function red() {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = "red";
}

function green() {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = "green";
}

function blue() {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = "blue";
}
```

```
function resetColor() {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = "black";
  h1ref.style.background = "white";
}
```

**Output:**



### //id\_selector.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <script src="id_selector.js"></script>
  </head>
  <body>
    <p id="demo">
      Lorem ipsum dolor sit, amet consectetur adipisicing elit. Illum eligendi
      velit corporis exercitationem id quasi excepturi, adipisci tempore
      molestias ducimus quia quisquam inventore, qui, iusto libero tenetur!
      Rerum, laudantium fugiat
    </p>

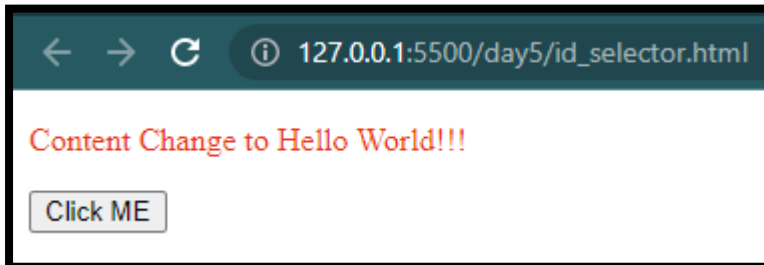
    <input type="button" value="Click ME" onclick="changeColor()" />

    <script>
      document.querySelector("#demo").innerHTML =
        " Content Change to Hello World!!!";
    </script>
  </body>
</html>
```

### //id\_selector.js

```
function changeColor() {  
  let href = document.querySelector("#demo");  
  href.style.color = "red";  
}
```

### Output:



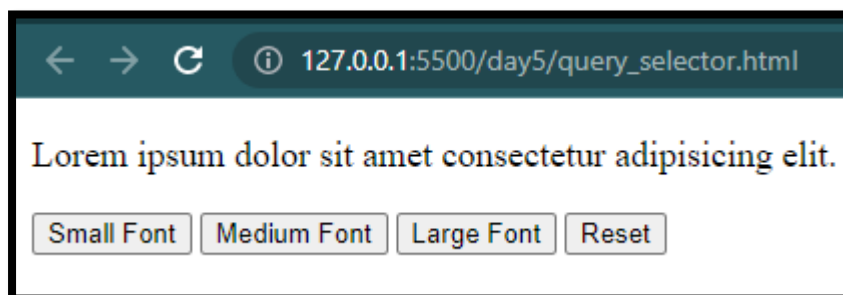
### //query\_selector.html

```
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />  
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
    <title>Document</title>  
  
    <script src="querySelector1.js"></script>  
  </head>  
  <body>  
    <p>  
      Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis minus  
      repellendus itaque deserunt saepe possimus, praesentium vitae mollitia  
      fugiat minima rem nulla eum delectus perspiciatis nam numquam eos  
      laboriosam! Dolores?  
    </p>  
  
    <input type="button" value="Small Font" onclick="changeFontSize('s')" />  
    <input type="button" value="Medium Font" onclick="changeFontSize('m')" />  
    <input type="button" value="Large Font" onclick="changeFontSize('l')" />  
    <input type="button" value="Reset" onclick="reset()" />  
  </body>  
</html>
```

### //query\_selector.js

```
function changeFontSize(p1) {  
  let pref = document.querySelector("p");  
  
  if (p1 == "s") {  
    pref.style.fontSize = "small";  
  } else if (p1 == "m") {  
    pref.style.fontSize = "medium";  
  } else if (p1 == "l") {  
    pref.style.fontSize = "large";  
  }  
}  
  
function reset() {  
  let pref = document.querySelector("p");  
  pref.style.fontSize = "medium";  
}
```

**Output:**



### **c. Messaging App using DOM operation**

#### //message.html

```
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />  
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
    <title>Document</title>  
    <script src="message2.js"></script>  
  </head>  
  <body>  
    <input id="input1" type="text" />  
    <input type="button" value="Add New Message" onclick="addNewMessage()" />  
    <div id="container"></div>  
  </body>  
</html>
```



### //message2.js

```
function addNewMessage() {  
  let divRef = document.querySelector("#container");  
  
  let input1Ref = document.querySelector("#input1");  
  // GET THE VALUE  
  let userInput = input1Ref.value;  
  
  let newElement = `

# ${userInput}</h1>`; // GET THE INNERHTML let currentInnerHTML = divRef.innerHTML; let newInnerHTML = newElement + currentInnerHTML; // SET THE INNERHTML divRef.innerHTML = newInnerHTML; // SET THE VALUE input1Ref.value = ""; }


```

### Output:

