

Web_Assignment:

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1NT18IS099.

String methods

Index.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>Assignment</title>
</head>
<body>
  <p> To concatinare two strings</p>
  <form >
    <label for="finput">String one</label><br>
    <input type="text" id="f1" ><br>
    <label for="Sinput">String two</label><br>
    <input type="text" id="f2" ><br><br>
    <button onclick="myfun()">click</button>
  </form> </br>
  <p id="id4"></p>
  <button onmouseup="this.innerHTML = Date()">check date</button><br>
  <p> to check length of string</p>
  <form >
    <label for="finput">String one</label><br>
    <input type="text" id="f3" ><br>
    <button onclick="myfun2()">click</button>
  </form></br>
  <p>to convert lowercase to uppercase and vise versa </p>
  <form >
    <label for="finput">String one</label><br>
    <input type="text" id="f4" ><br>
    <button onclick="myfun3()">Uppercase</button>
    <button onclick="myfun4()">lowercase</button>
  </form></br>
  <p>index of</p>
  <form >
    <label for="finput">String </label><br>
```

```

        <input type="text" id="f5" ><br>
        <label for="Sinput">find</label><br>
        <input type="text" id="f6" ><br><br>
        <button onclick="myfun5()">click</button>
    </form> </br>

    <form >
        <label for="finput">number one</label><br>
        <input type="text" id="f7" ><br>
        <label for="finput">number two</label><br>
        <input type="text" id="f8" ><br>
        <button onclick="myfun6()">+</button>
        <button onclick="myfun7()">-</button>
        <button onclick="myfun8()">*</button>
        <button onclick="myfun9()">/</button>
    </form></br>
    <button onclick="myfun10()">Char and charcodeat</button><br>

    <button id="r1">Replace</button><br>

    <script src="index.js"></script>
</body>
</html>

```

Index.js

```

function myfun() {
    var a = document.getElementById("f1").value;
    var b = document.getElementById("f2").value;
    var d = a.concat(" ",b);
    alert(d);
}

let displayDate = () => {
    document.getElementById("id4").innerHTML = Date();
}

function myfun2(){
    var c = document.getElementById("f3").value;
    alert(c.length);
}

function myfun3(){
    var e = document.getElementById("f4").value;

```

```
    alert(e.toUpperCase());
}

function myfun4(){
    var f = document.getElementById("f4").value;
    alert(f.toLowerCase());
}

function myfun5() {

    var g = document.getElementById("f5").value;
    var h = document.getElementById("f6").value;
    alert(g.indexOf(h));
}

function myfun6(){
    var x = Number(document.getElementById("f7").value);
    var y = Number(document.getElementById("f8").value);
    alert(x+y);
}

function myfun7(){
    var x = Number(document.getElementById("f7").value);
    var y = Number(document.getElementById("f8").value);
    alert(x-y);
}

function myfun8(){
    var x = Number(document.getElementById("f7").value);
    var y = Number(document.getElementById("f8").value);
    alert(x*y);
}

function myfun9(){
    var x = Number(document.getElementById("f7").value);
    var y = Number(document.getElementById("f8").value);
    alert(x/y);
}

function myfun10() {
```

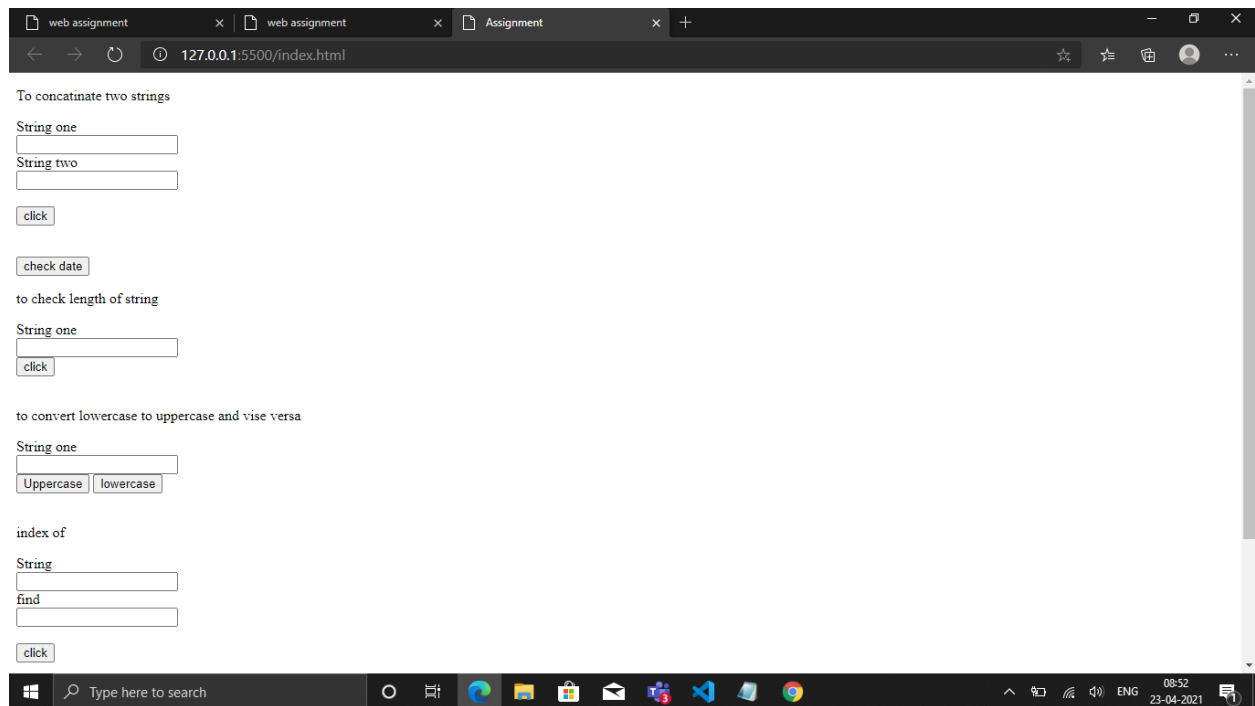
```

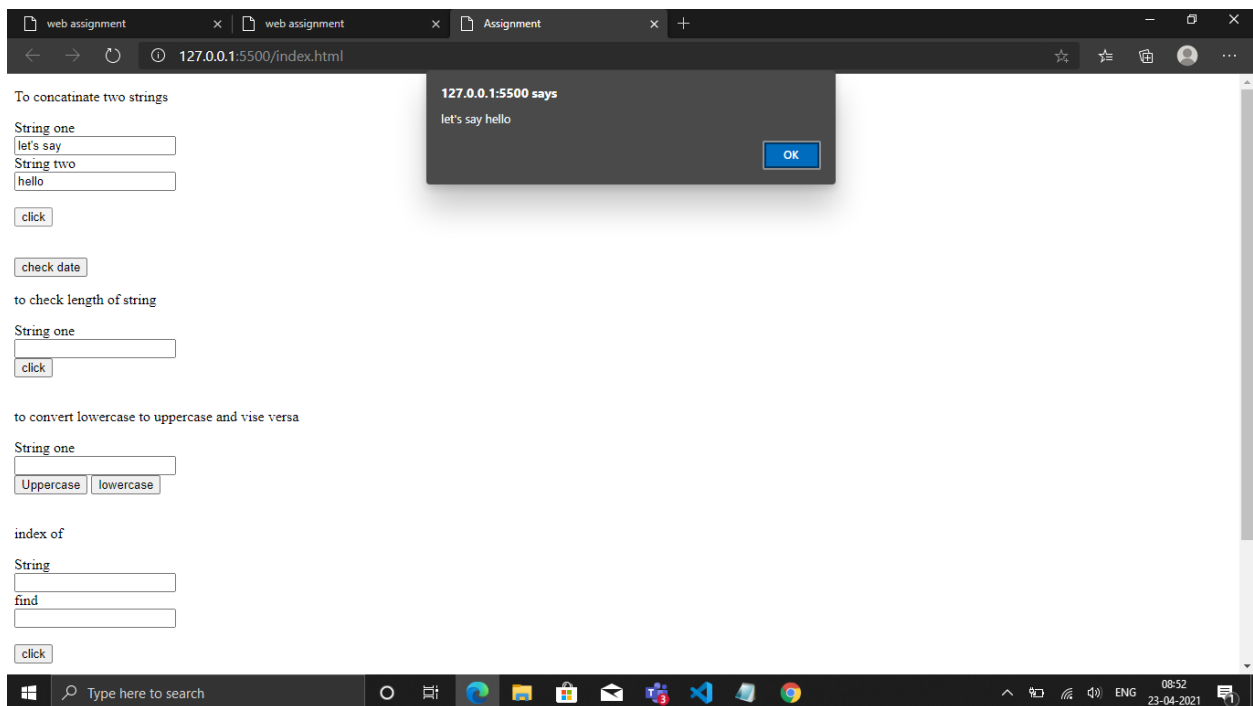
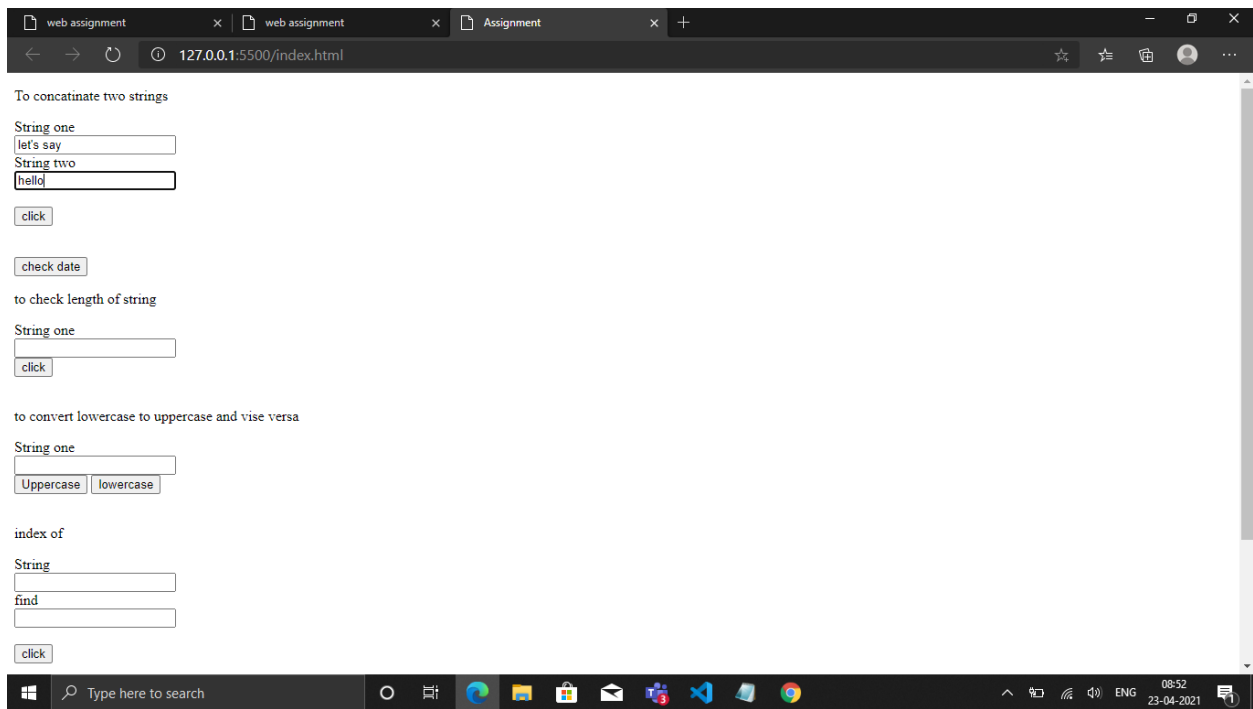
    let str = prompt("Enter the string");
    let ca = prompt("enter num to find the letter");
    ch = str.charAt(ca);
    chcodat = str.charCodeAt(ca);
    res = "CharAt " +ca+ ch + " CharcodeAt" +ca+ "is"+ chcodat;
    alert(res);
}

let r_btn = document.getElementById("r1");
r_btn.addEventListener("click", () => {
    let r1= "we born to play ";
    let res1 = r1.replace("we", "were");
    alert(res1);
});

```

Output:





web assignment x web assignment x Assignment x +

127.0.0.1:5500/index.html?

To concatenate two strings

String one

String two

click

Fri Apr 23 2021 08:52:41 GMT+0530 (India Standard Time)

to check length of string

String one

click

to convert lowercase to uppercase and vise versa

String one

Uppercase lowercase

index of

String

find

click

Type here to search

08:52 23-04-2021

web assignment x web assignment x Assignment x +

127.0.0.1:5500/index.html?

To concatenate two strings

String one

String two

click

Fri Apr 23 2021 08:52:41 GMT+0530 (India Standard Time)

to check length of string

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click

to convert lowercase to uppercase and vise versa

String one

Uppercase lowercase

index of

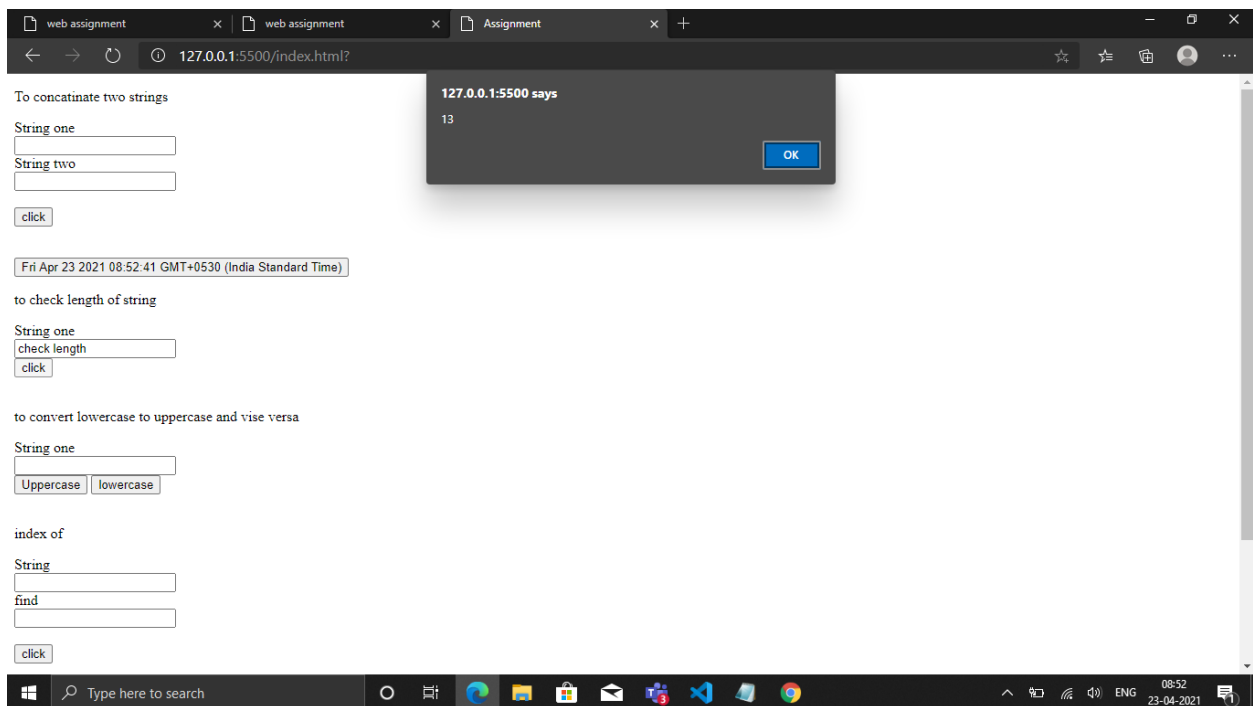
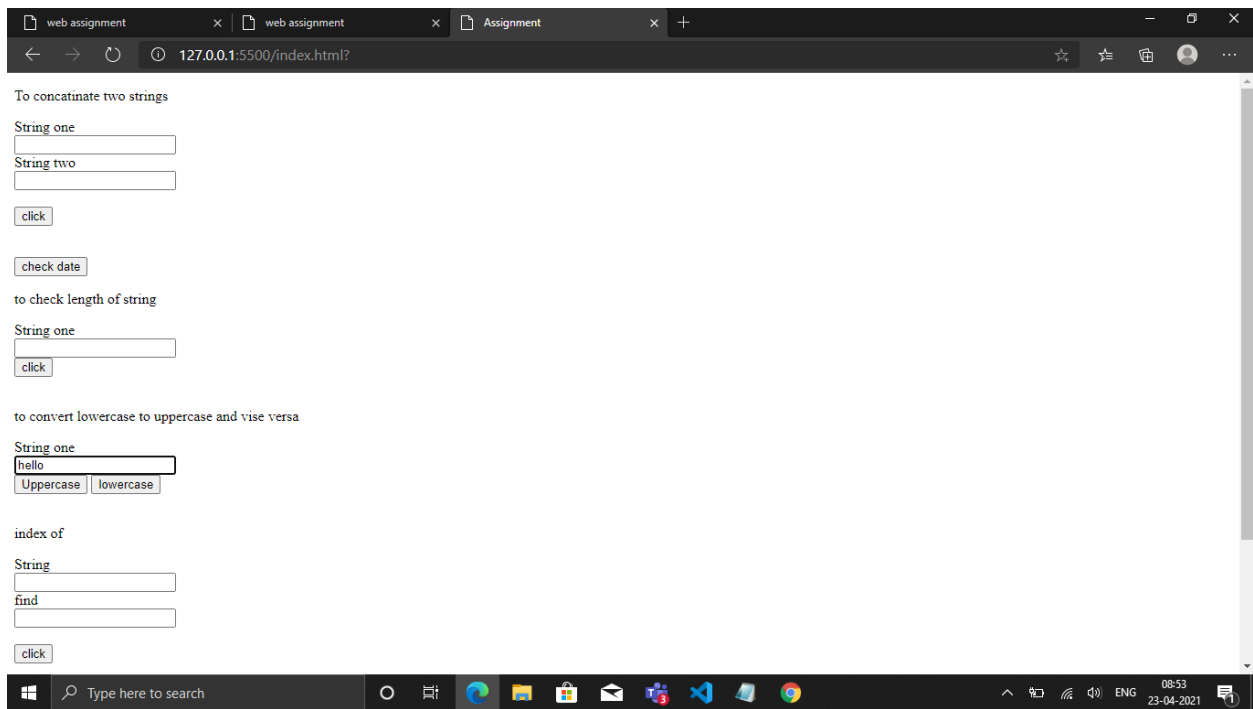
String

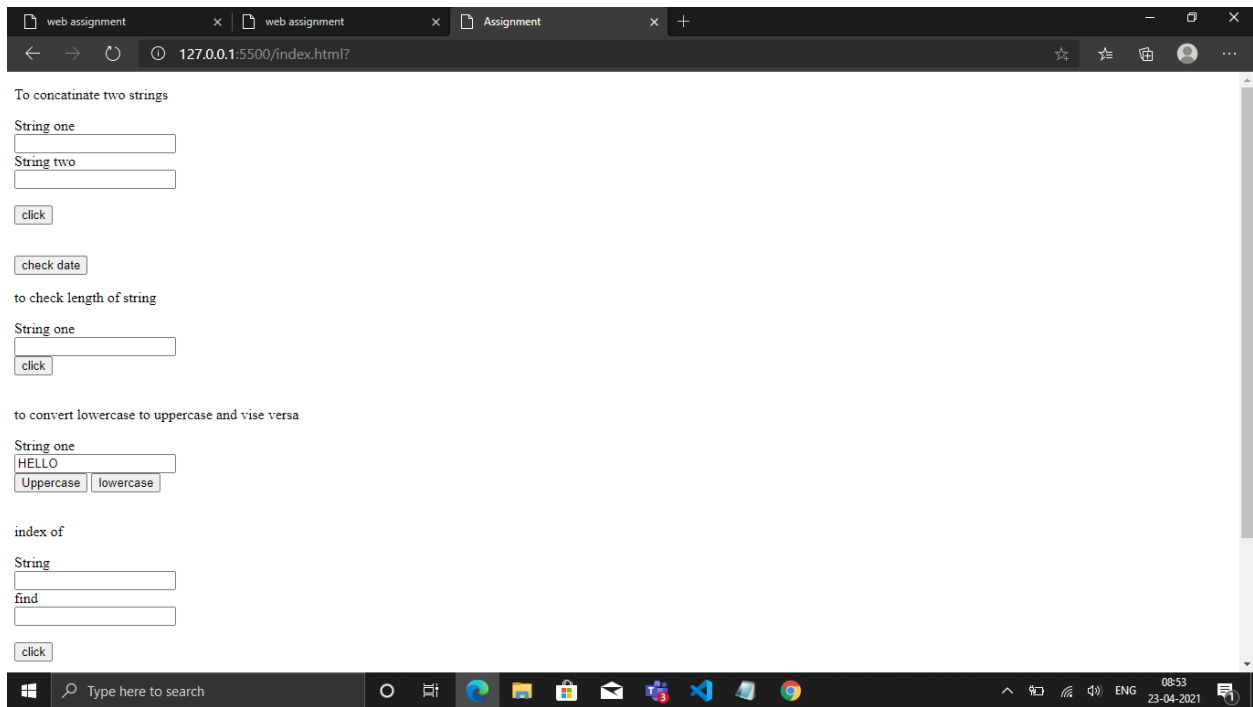
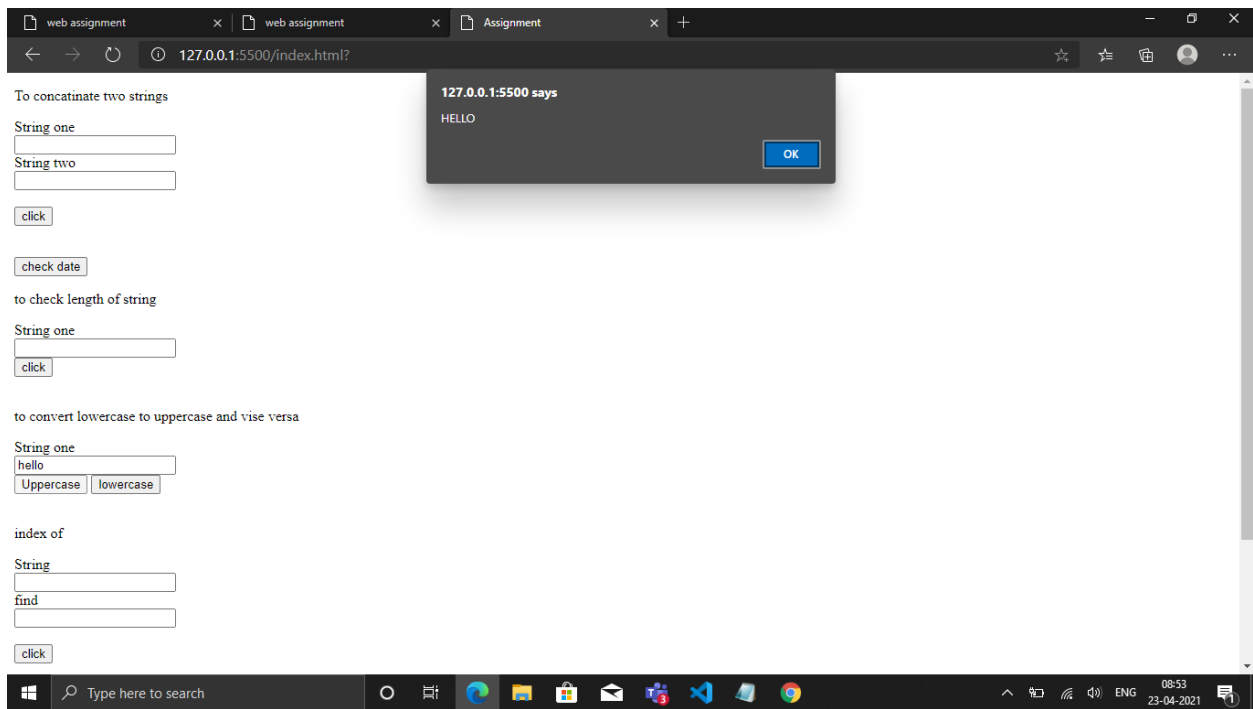
find

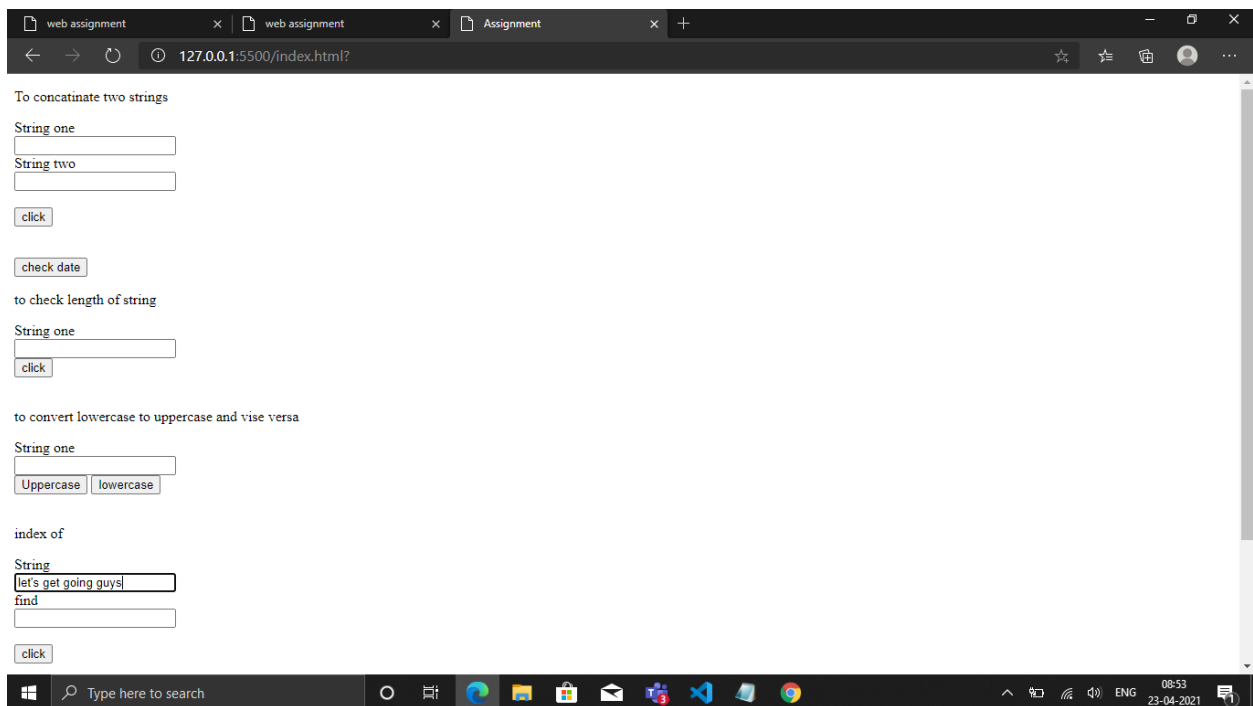
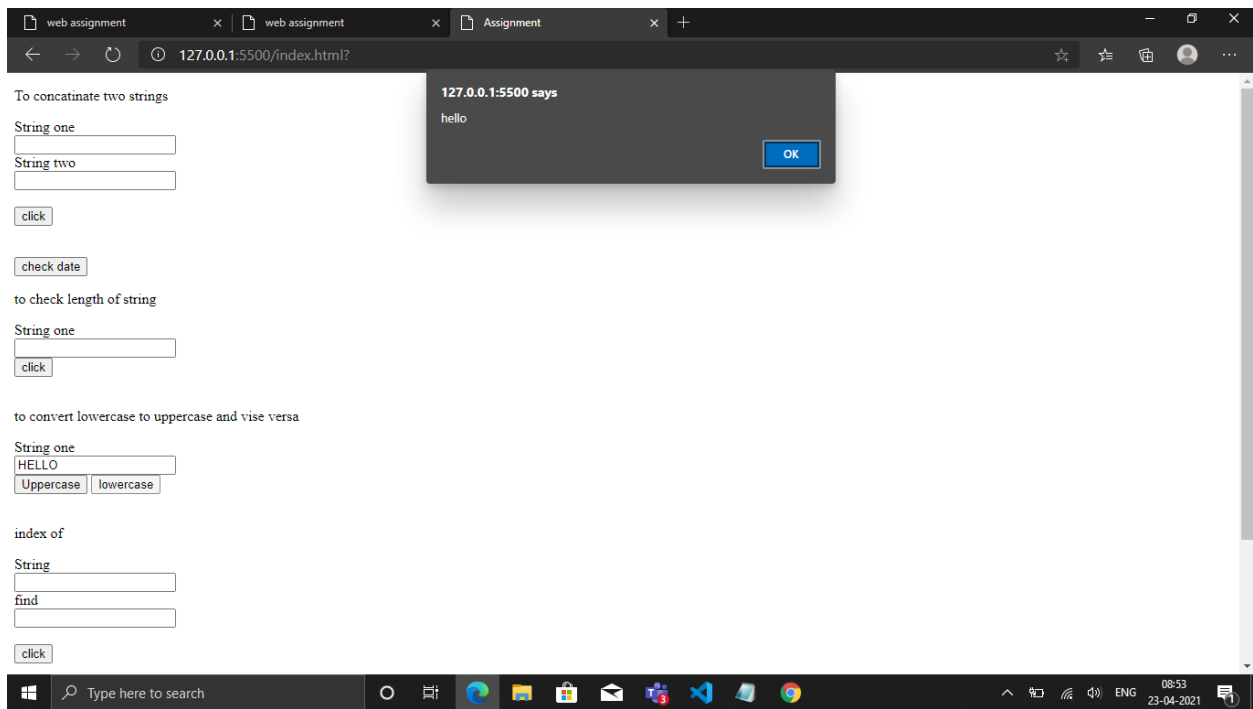
click

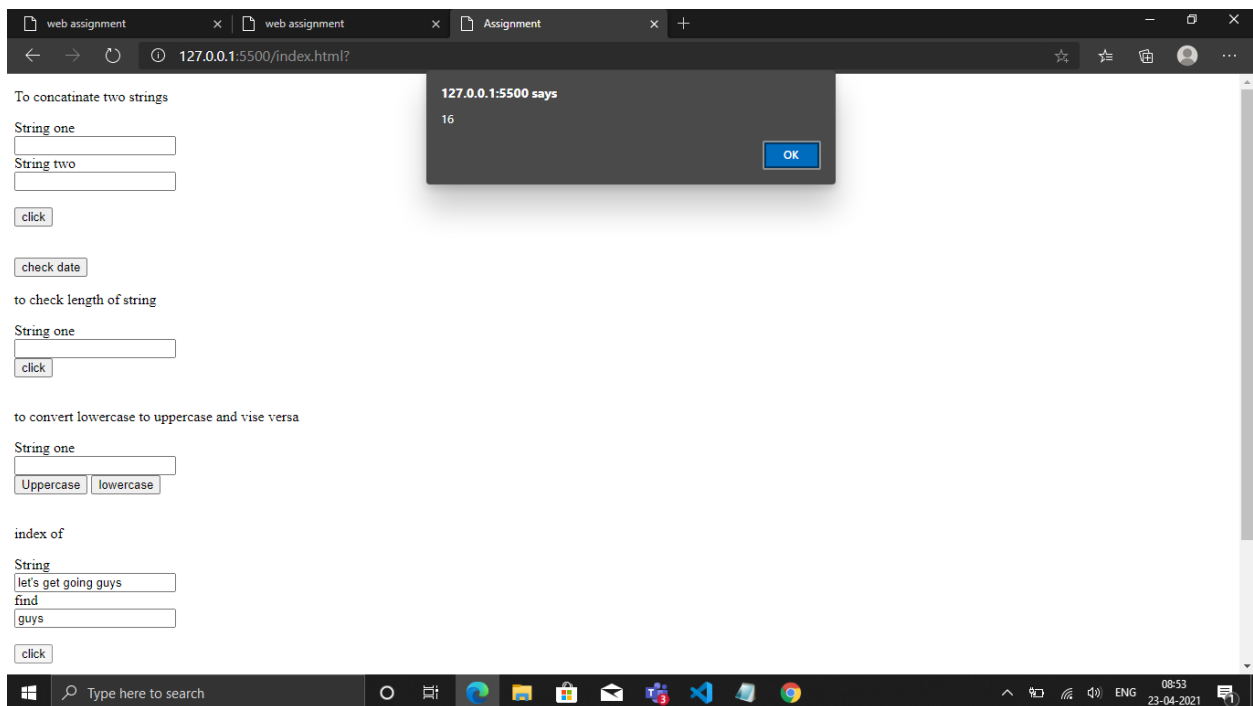
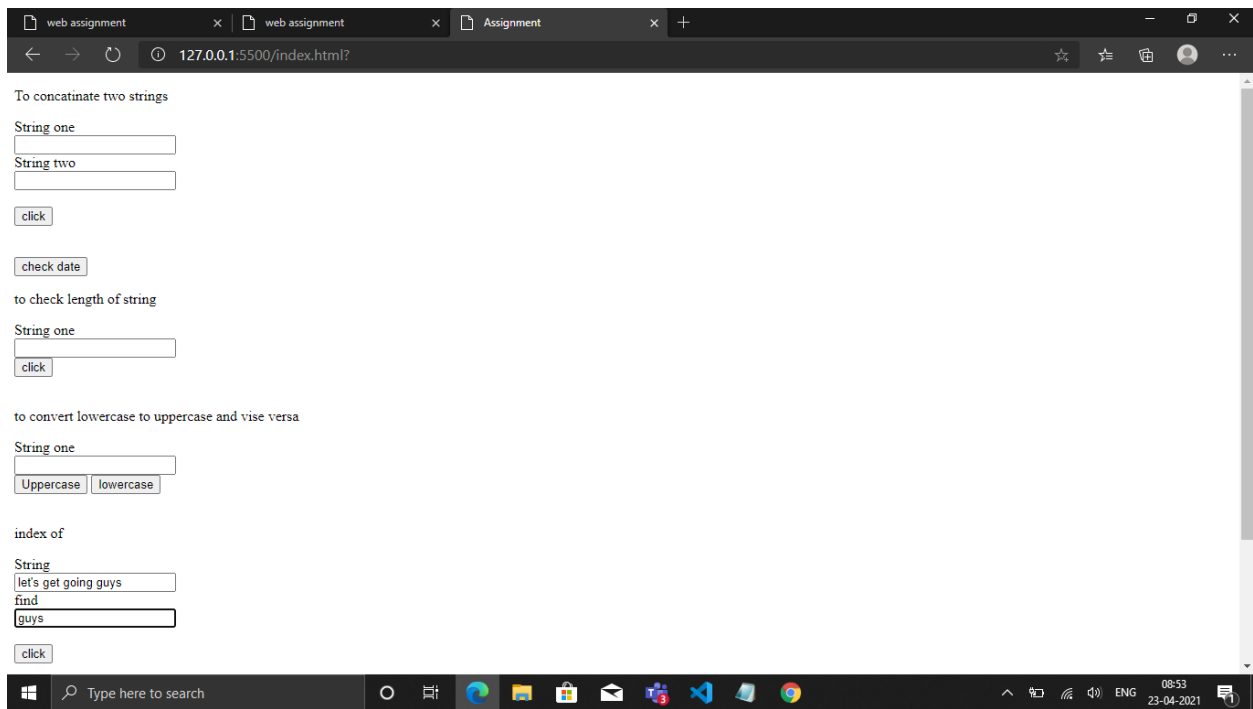
Type here to search

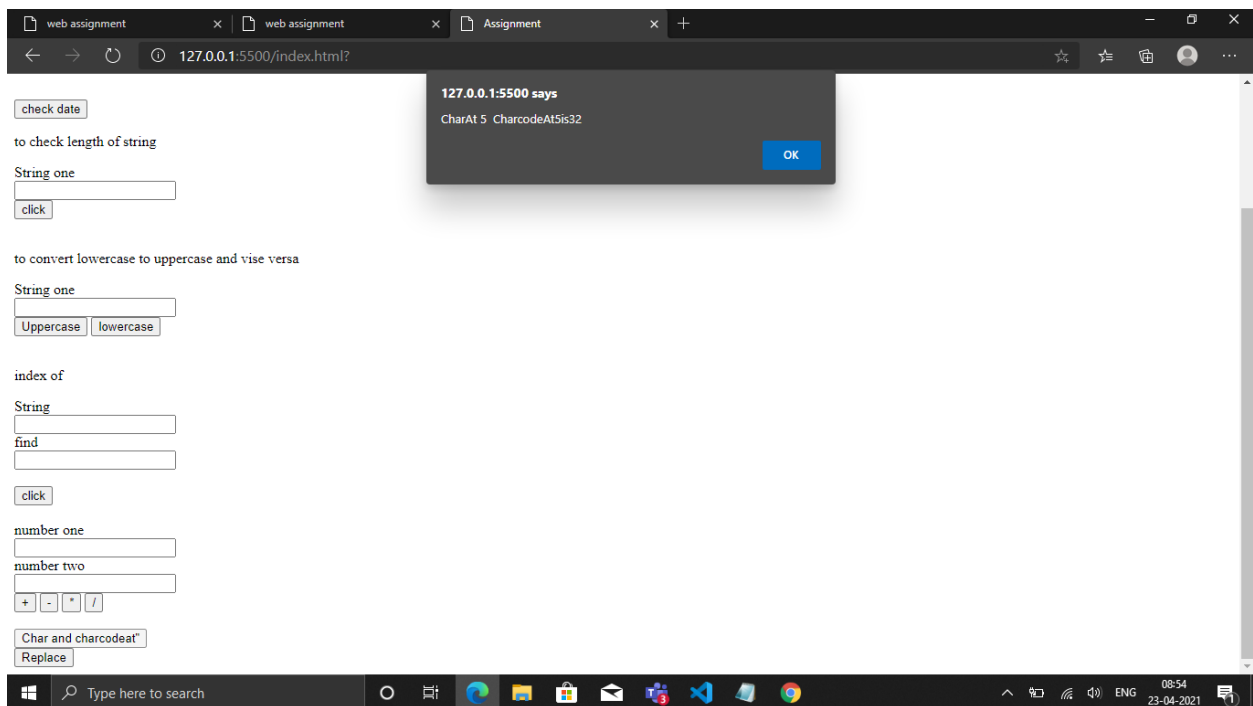
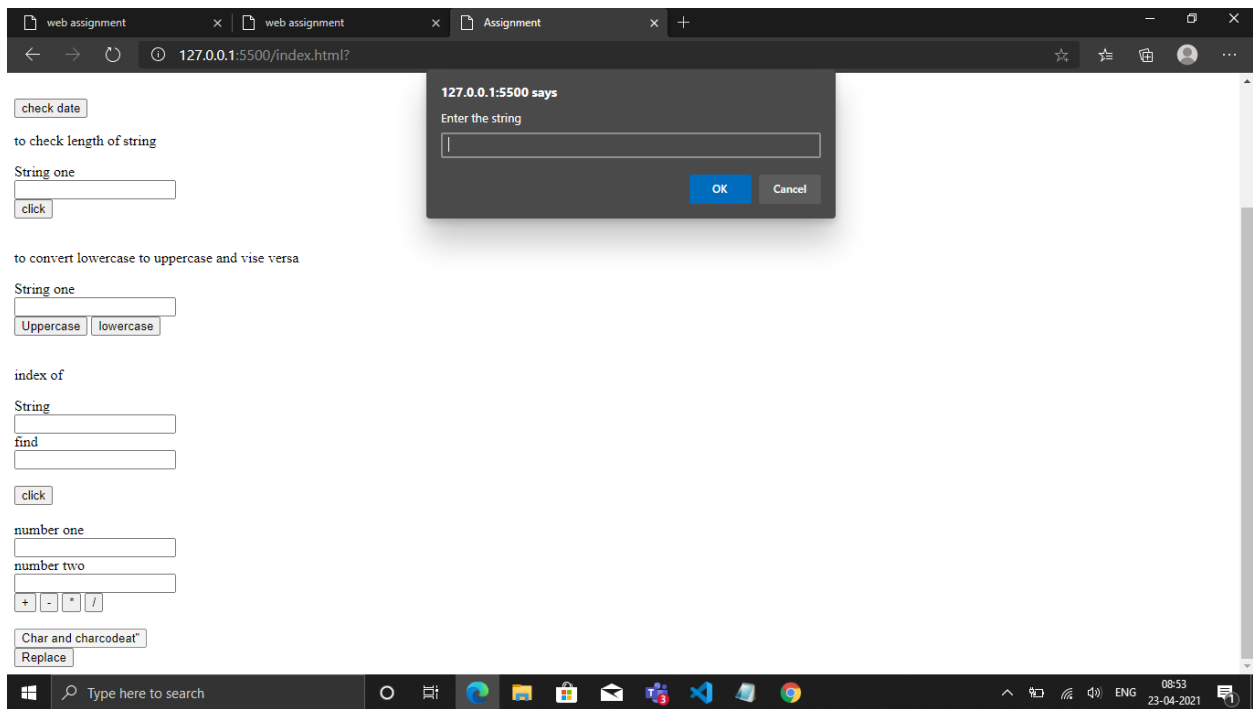
08:52 23-04-2021

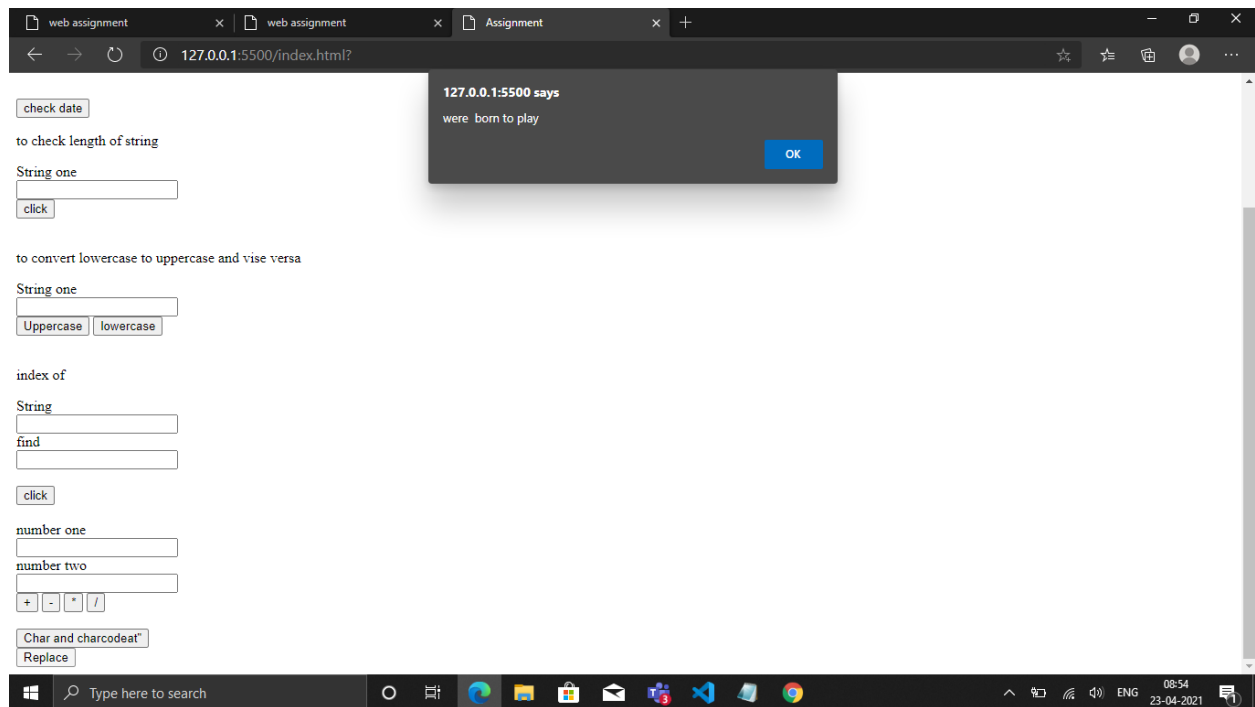












Array methods:

Arraymethods.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>web assignment</title>
</head>
<body>
  <h2>Implementing array methods</h2>
  <button onclick="sorting()">sort</button>
  <button onclick="checklen()">lengthofArray</button><br>
  <h2>for and for_each</h2>
  <button onclick="forloop()">For</button>
  <button onclick="foreachloop()">forEach</button>
  <p id="f1"></p><br>
  <p id="f2"></p>
  <button onclick="convstr()">toString</button>
  <button onclick="popele()">pop</button>
```

```
<button onclick="shifte()">shift</button>
<button onclick="unshif()">unshift</button>

<script src="arraymethod.js"></script>

</body>
</html>
```

Arraymethod.js

```
function sorting() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    res = names.sort();
    alert(res);
}

function checklen() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    res = names.length;
    alert(res);
}

function forloop() {
    let text, fLen, i;
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    fLen = names.length;
    text = "<ul>";
    for (i = 0; i < fLen; i++) {
        text += names[i];
    }
    text += "</ul>";
    document.getElementById("f1").innerHTML = text;
}

function foreachloop() {
    let text, fLen, i;
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    fLen = names.length;

    text = "<ul>";
    names.forEach(myFunction);
    text += "</ul>";
}
```

```
document.getElementById("f2").innerHTML = text;

function myFunction(value) {
    text += "<li>" + value + "</li>";
}

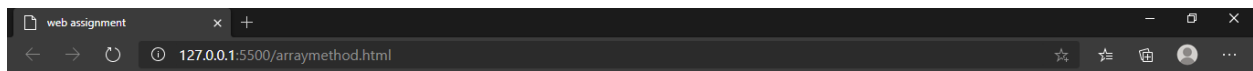
function convstr() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    str = names.toString();
    alert(str);
}

function popele() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    pop = names.pop();
    alert(pop);
}

function shifte() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    shift = names.shift();
    alert(shift);
}

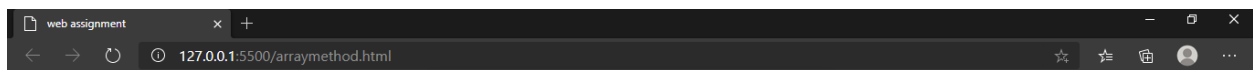
function unshif() {
    let names = new Array("Fiat", "Austin", "Mercedes", "BMW", "Cupra");
    unshift = names.unshift("Fiat", "Ford");
    alert(names);
}
```

Output:



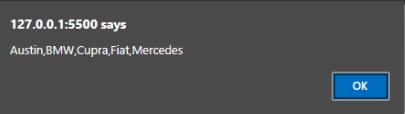
Implementing array methods

for and for_each



Implementing array methods

for and for_each

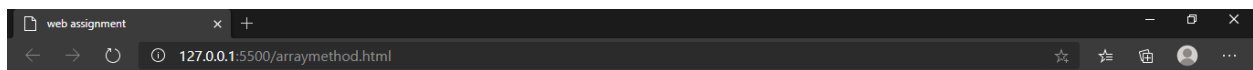




Implementing array methods

for and for_each

127.0.0.1:5500 says
5



Implementing array methods

for and for_each

FiatAustinMercedesBMWCupra

- Fiat
- Austin
- Mercedes
- BMW
- Cupra



web assignment

127.0.0.1:5500/arraymethod.html

☆ ☆ 🗂 👤 ⋮

Implementing array methods

sort | lengthofArray

for and for_each

For | forEach

FiatAustinMercedesBMW Cupra

- Fiat
- Austin
- Mercedes
- BMW
- Cupra

toString | pop | shift | unshift

127.0.0.1:5500 says

Fiat,Austin,Mercedes,BMW,Cupra

OK

Type here to search

08:54 23-04-2021

web assignment

127.0.0.1:5500/arraymethod.html

☆ ☆ 🗂 👤 ⋮

Implementing array methods

sort | lengthofArray

for and for_each

For | forEach

FiatAustinMercedesBMW Cupra

- Fiat
- Austin
- Mercedes
- BMW
- Cupra

toString | pop | shift | unshift

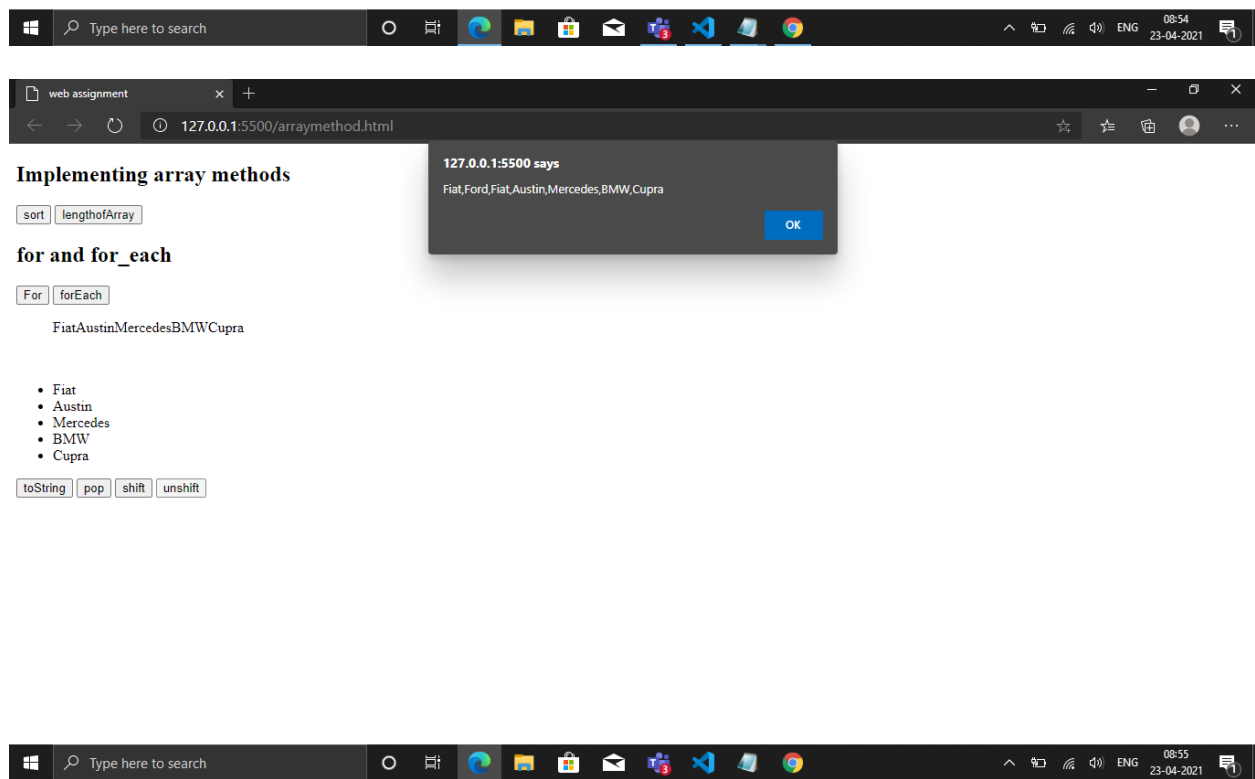
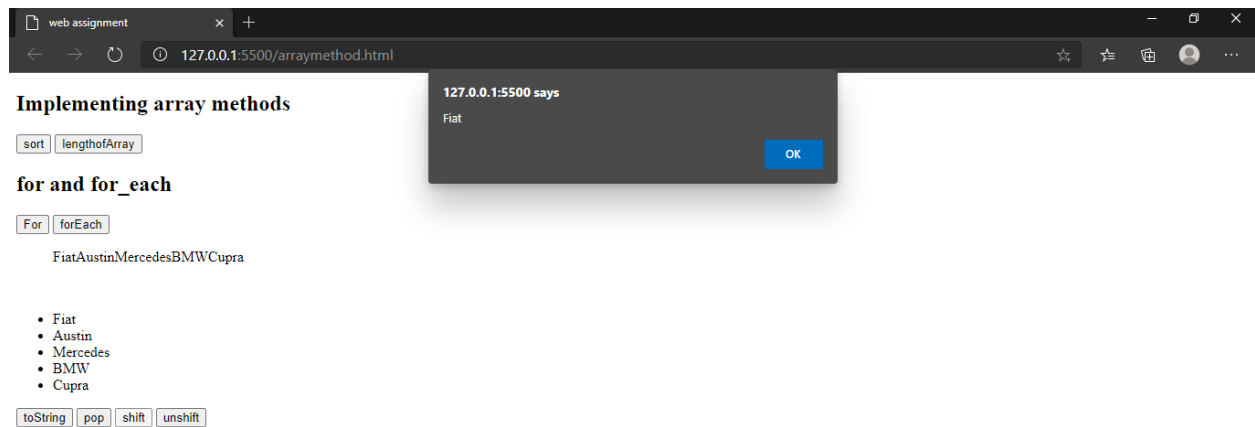
127.0.0.1:5500 says

Cupra

OK

Type here to search

08:54 23-04-2021



Simple calculator:

Calculator.html

```
<html>
```

```

<head>
  <style>

    .name{

    }

    input[type="button"]
    {
    width:100%
    }

    input[type="text"]
    {

    width:100%
    }
  </style>
</head>
<!-- create table -->
<body>
  <div class = name>
    <table>
      <tr>
        <td colspan="3"><input type="text" id="result"/></td>
        <!-- clr() function will call clr to clear all value -->
        <td><input type="button" value="c" onclick="clr()"/> </td>
      </tr>
      <tr>
        <td><input type="button" value="1" onclick="dis('1')"/> </td>
        <td><input type="button" value="2" onclick="dis('2')"/> </td>
        <td><input type="button" value="3" onclick="dis('3')"/> </td>
        <td><input type="button" value="/" onclick="dis('/')"/> </td>
      </tr>
      <tr>
        <td><input type="button" value="4" onclick="dis('4')"/> </td>
        <td><input type="button" value="5" onclick="dis('5')"/> </td>
        <td><input type="button" value="6" onclick="dis('6')"/> </td>
        <td><input type="button" value="-" onclick="dis('-')"/> </td>
      </tr>
      <tr>
        <td><input type="button" value="7" onclick="dis('7')"/> </td>
        <td><input type="button" value="8" onclick="dis('8')"/> </td>
        <td><input type="button" value="9" onclick="dis('9')"/> </td>
        <td><input type="button" value="+" onclick="dis('+')"/> </td>
      </tr>
    </table>
  </div>

```

```

        </tr>
        <tr>
            <td><input type="button" value="." onclick="dis('.')"/> </td>
            <td><input type="button" value="0" onclick="dis('0')"/> </td>
            <td><input type="button" value="=" onclick="solve()"/> </td>
            <td><input type="button" value="*" onclick="dis('*')"/> </td>
        </tr>
    </table>
    <script src="calculator.js"></script>
</div>
</body>
</html>

```

Calculator.js

```

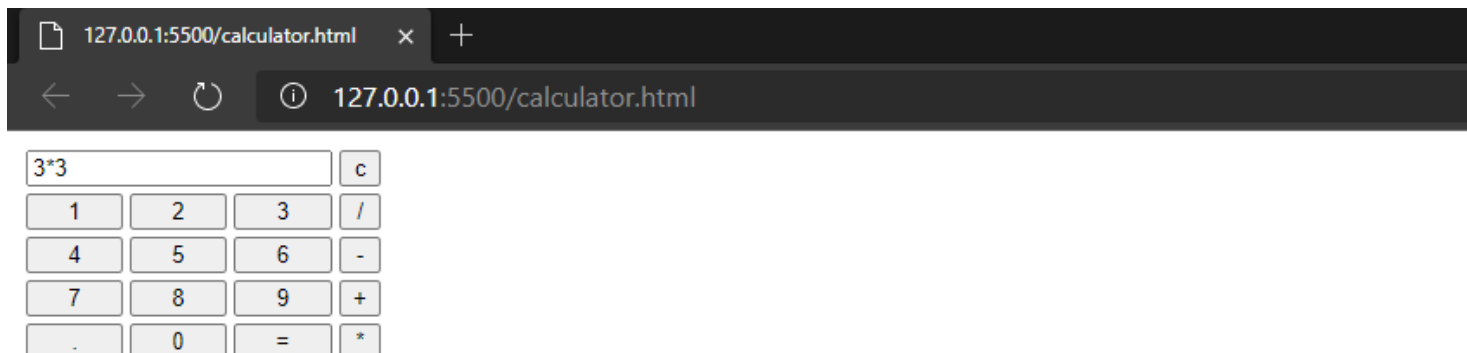
function dis(val)
{
    document.getElementById("result").value+=val
}

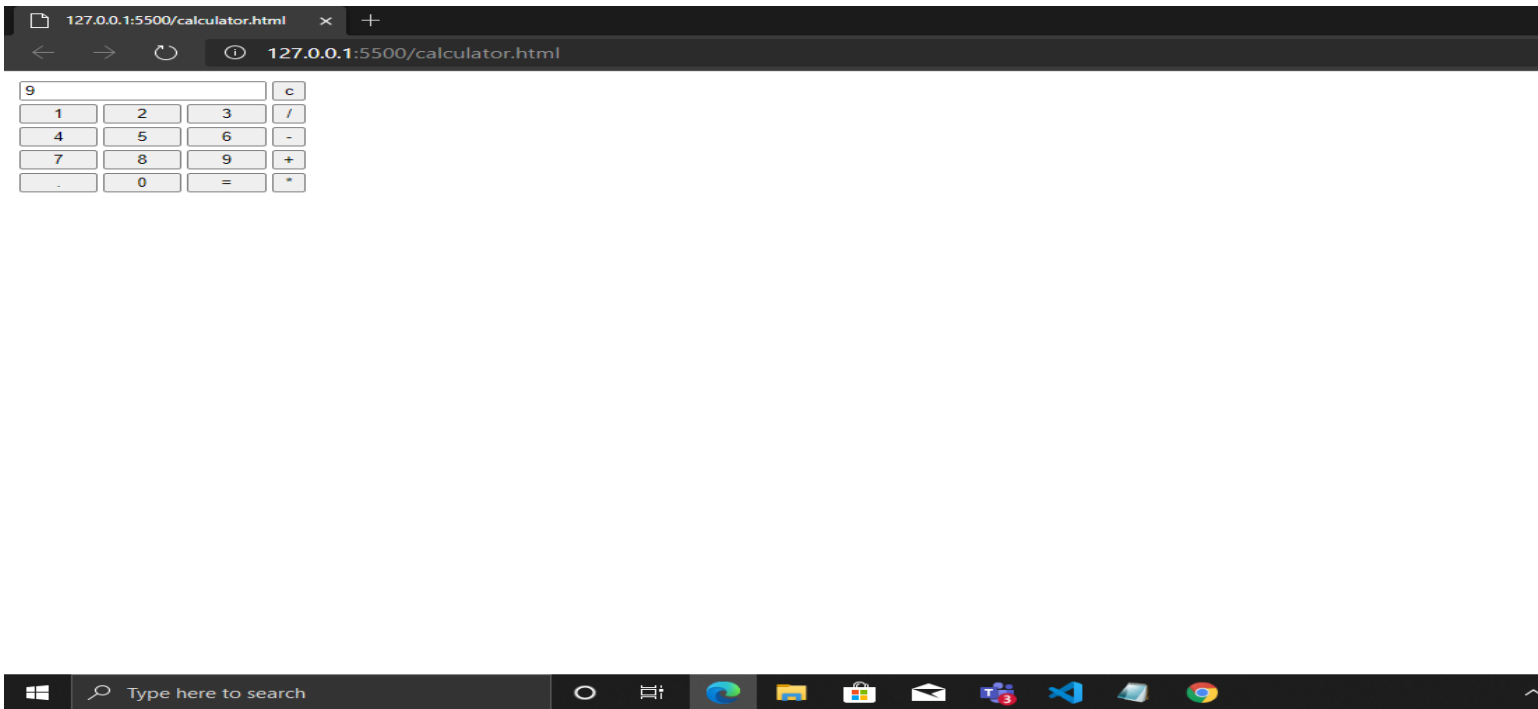
function solve()
{
    let x = document.getElementById("result").value
    let y = eval(x)
    document.getElementById("result").value = y
}

function clr()
{
    document.getElementById("result").value = ""
}

```

Output:





Problems

1. There are two arrays with individual values, write a JavaScript program to compute the sum of each individual index value from the given arrays.

Sample array: array1 = [2,0,3,3,4]; array2 = [3,4,6,6,3,1];

Expected Output: [5, 4, 9, 9, 7, 1]

2. Find the leap years in the given range

3. Write a javascript program to compute the sum and product of an array of integers

Problems.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>problems</title>
</head>
<body>
  <h2>Check leap year</h2>
  <form >
    <label for="finput">Enter year</label><br>
    <input type="text" id="f1" ><br>
    <button onclick="myfun1()">check leap year</button>
  </form></br>
  <h2> sum of two uneven arrays</h2>
  <button onclick="myfun2()">add array</button></br>
  <h1>sum and product</h1>
  <button onclick="myfun3()">product</button>
  <button onclick="myfun4()">sum</button>
  <script src="problems.js"></script>
</body>
</html>

```

Problems.js

```

function myfun1() {
  const y = Number(document.getElementById("f1").value);
  if ((y % 4 == 0) && (y % 100 != 0) || (y % 400 == 0)) {
    alert(y + ' is a leap year');
  } else {
    alert(y + ' is not a leap');
  }
}

function myfun2() {
  let a1 = [2, 0, 3, 3, 4];
  let a2 = [3, 4, 6, 6, 3, 1];
  let s = [];
  for (i = 0; i < a2.length; i++) {
    if (a1[i] != null && a2[i] != null) {
      var sres = a1[i] + a2[i];
    }
  }
}

```

```

        } else if (a2[i] == null && a1[i] != null) {
            sres = a1[i];
        } else if (a1[i] == null && a2[i] != null) {
            sres = a2[i];
        }
        s.push(sres);
    }
    alert(s);
}

function myfun3(){
let a1 = [7, 8, 5, 3];
let a2 = [3, 5, 4, 1];
let product = [];

for (let i = 0; i < a1.length; i++) {
    a = a1[i] * a2[i];
    product.push(a);
}
alert(product);
}

function myfun4(){
let a1 = [1, 2, 3, 4];
let a2 = [2, 3, 4, 5];
let sum = [];
for (let i = 0; i < a1.length; i++) {
    b = a1[i] + a2[i];
    sum.push(b);
}
alert(sum);
}

```

Output:

problems x +

127.0.0.1:5500/problems.html

Check leap year

Enter year

2000

check leap year

127.0.0.1:5500 says

2000 is a leap year

OK

sum of two uneven arrays

add array

sum and product

product sum

Windows search bar: Type here to search

Taskbar icons: Edge, File Explorer, Mail, Photos, VS Code, Chrome

System tray: 08:55, 23-04-2021, ENG

problems x +

127.0.0.1:5500/problems.html?

Check leap year

Enter year

check leap year

127.0.0.1:5500 says

5,4,9,9,7,1

OK

sum of two uneven arrays

add array

sum and product

product sum

Windows search bar: Type here to search

Taskbar icons: Edge, File Explorer, Mail, Photos, VS Code, Chrome

System tray: 08:55, 23-04-2021, ENG

problems x +

127.0.0.1:5500/problems.html?

Check leap year

Enter year

check leap year

127.0.0.1:5500 says

21,40,20,3

OK

sum of two uneven arrays

add array

sum and product

product sum

Windows search bar: Type here to search

Taskbar icons: Edge, File Explorer, Mail, Photos, VS Code, Chrome

System tray: 08:55, 23-04-2021, ENG

problems x +

127.0.0.1:5500/problems.html?

Check leap year

Enter year

check leap year

127.0.0.1:5500 says

3,5,7,9

OK

sum of two uneven arrays

add array

sum and product

product sum

Windows search bar: Type here to search

Taskbar icons: Edge, File Explorer, Mail, Photos, VS Code, Chrome

System tray: 08:55, 23-04-2021, ENG