- Unshift

<!DOCTYPE html>

<html>

<body>

<p>Please you have to Click the button to add elements to the beginning of the array.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

var fruits = ["Watermelon" , "Apple" , "Grapes" , "Orange"];
document.getElementById("demo").innerHTML = fruits; function myFunction() {

fruits.unshift("Strawberry" , "Mango");
document.getElementById("demo").innerHTML = fruits;

}

</script>

Please you have to Click the button to add elements to the beginning of the array.

Try it

Watermelon,Apple,Grapes,Orange

Please you have to Click the button to add elements to the beginning of the array.

Try it

Strawberry,Mango,Watermelon,Apple,Grapes,Orange

- Delete

Code:

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript </h2>
<p>You can delete object properties with the delete keyword.</p>
<p id="demo"></p>
<script>
var person = {
  firstname: "Rahul ",
  lastname: "Patil ",
  age: 9,
  eyecolor: "black "
};
delete person.firstname;
document.getElementById("demo").innerHTML =
person.firstname + " is " + person.age + " years old.";
</script>
</body>
</html>
```
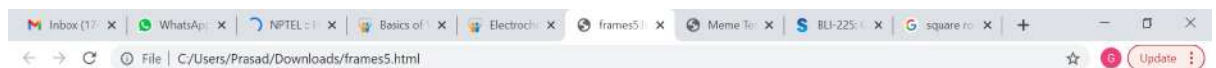
The browser window shows:

JavaScript

You can delete object properties with the delete keyword.

undefined is 9 years old.

- Splice

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to add elements to the array.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

var fruits = ["Watermelon" , "Apple" , "Grapes" , "Orange"];
document.getElementById("demo").innerHTML = fruits; function myFunction() {

fruits.splice(2, 0, "Strawberry , Sitafal");

document.getElementById("demo").innerHTML = fruits;

}

</script>

</body>

</html>
```
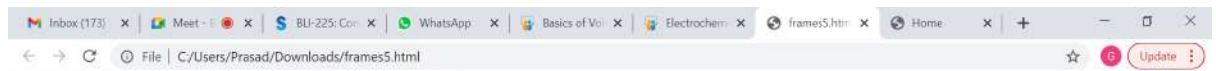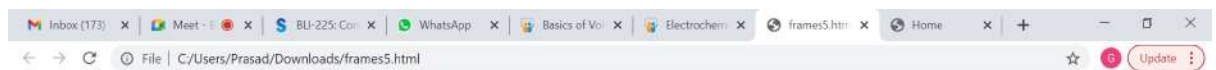
Click the button to add elements to the array.

Try it

Watermelon,Apple,Grapes,Orange
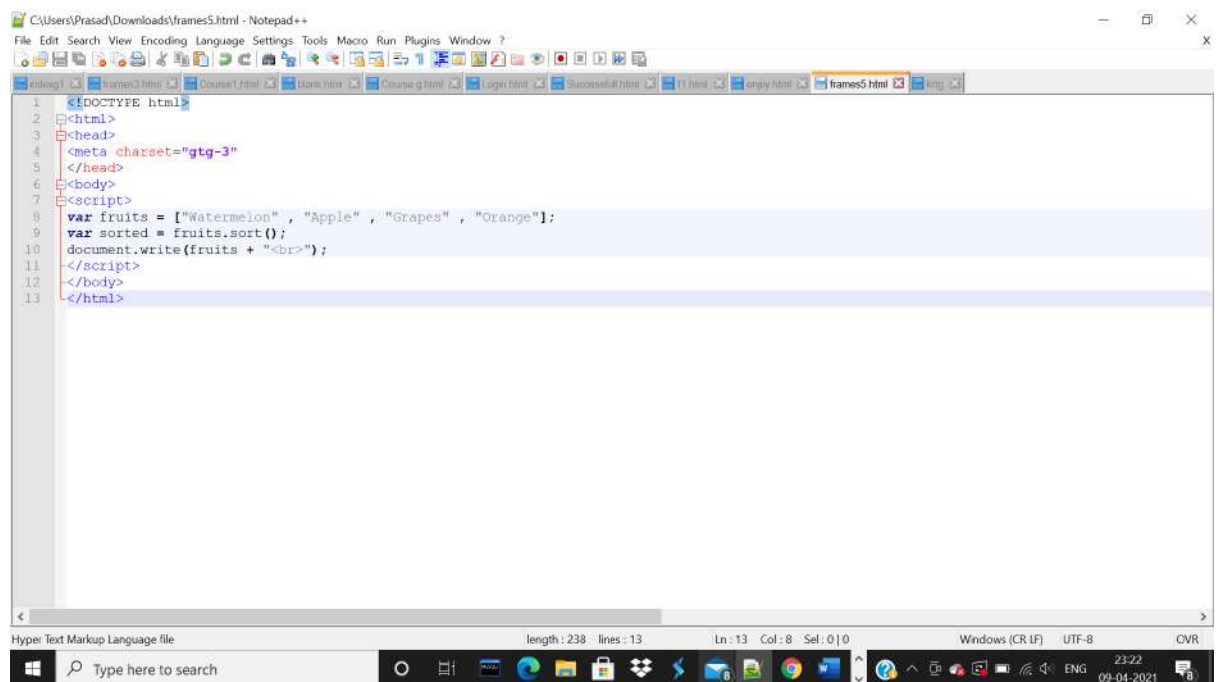

Click the button to add elements to the array.

Try it

Watermelon,Apple,Strawberry , Sitafal,Grapes,Orange

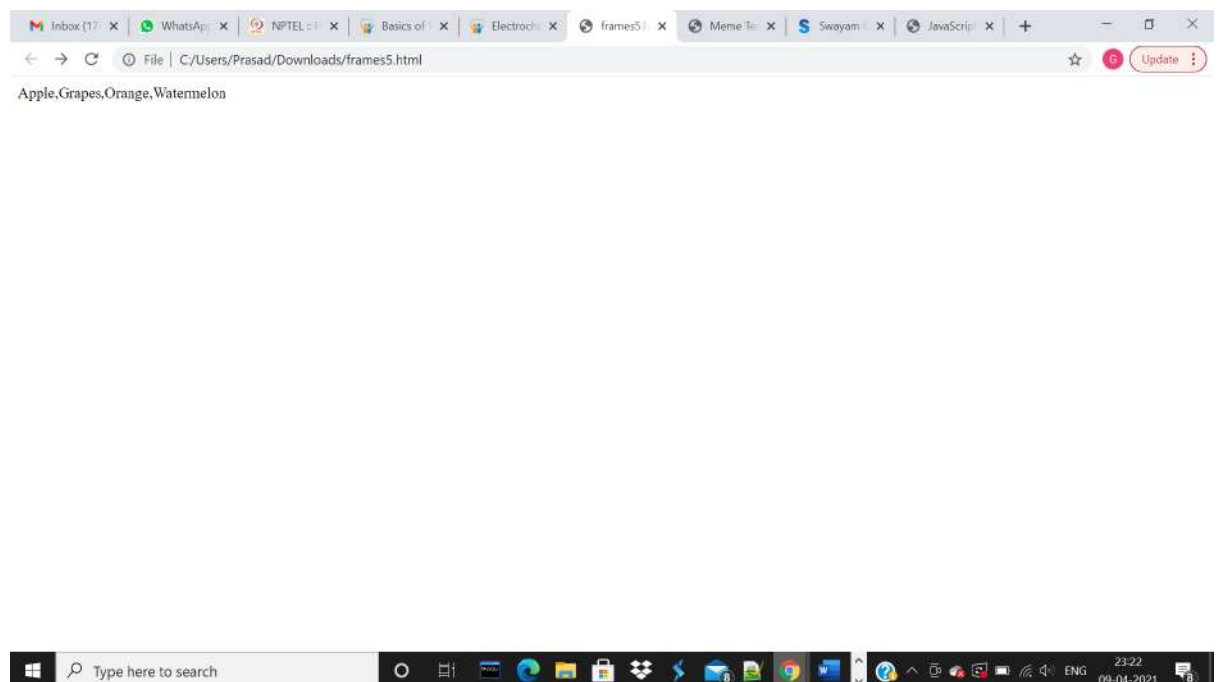- Sort

Apple,Grapes,Orange,Watermelon

3. Create a webpage demonstrating different mathematical expressions in JavaScript:
   - math.log

```html
<html>

<head>

<title>JavaScript</title>

</head>

<body>

<script type="text/javascript"> var result = Math.log(23);

document.write("Result: "+result);

</script>

</body>

</html>
```

Result: 3.1354942159291497
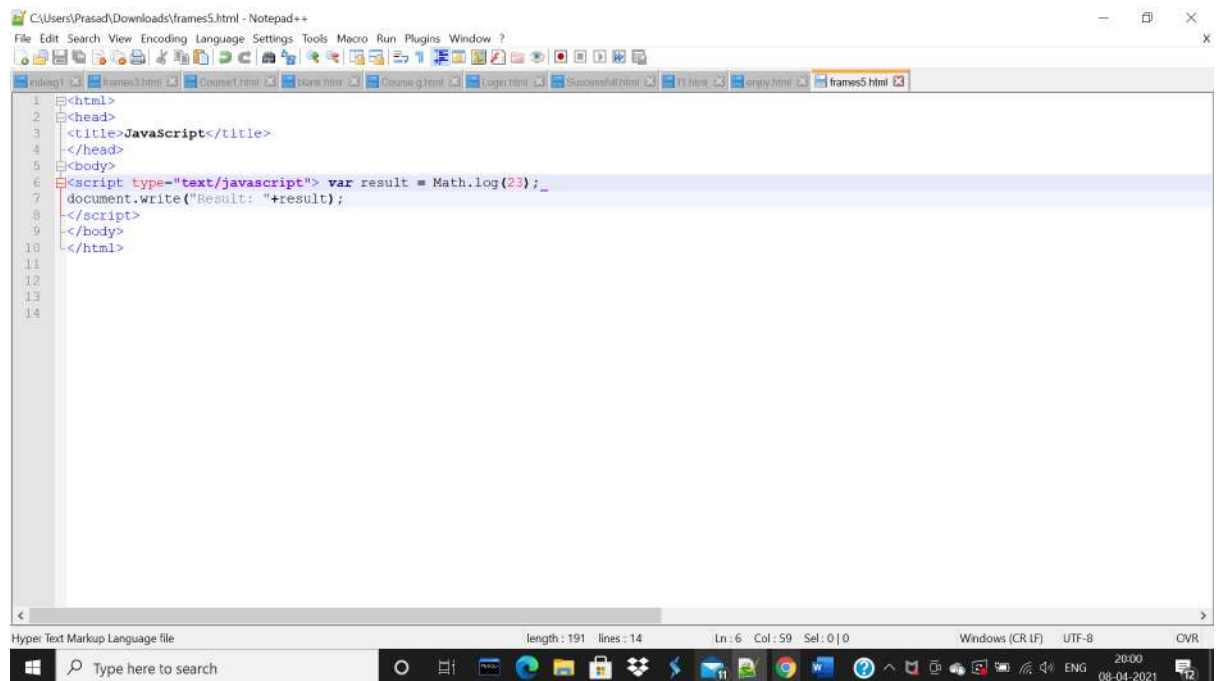
- math.max
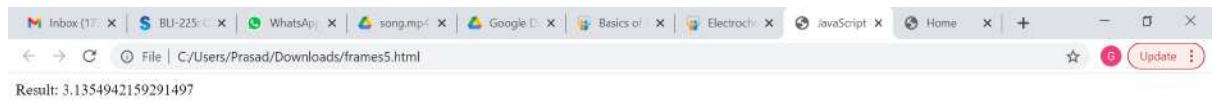
<html>

<head>
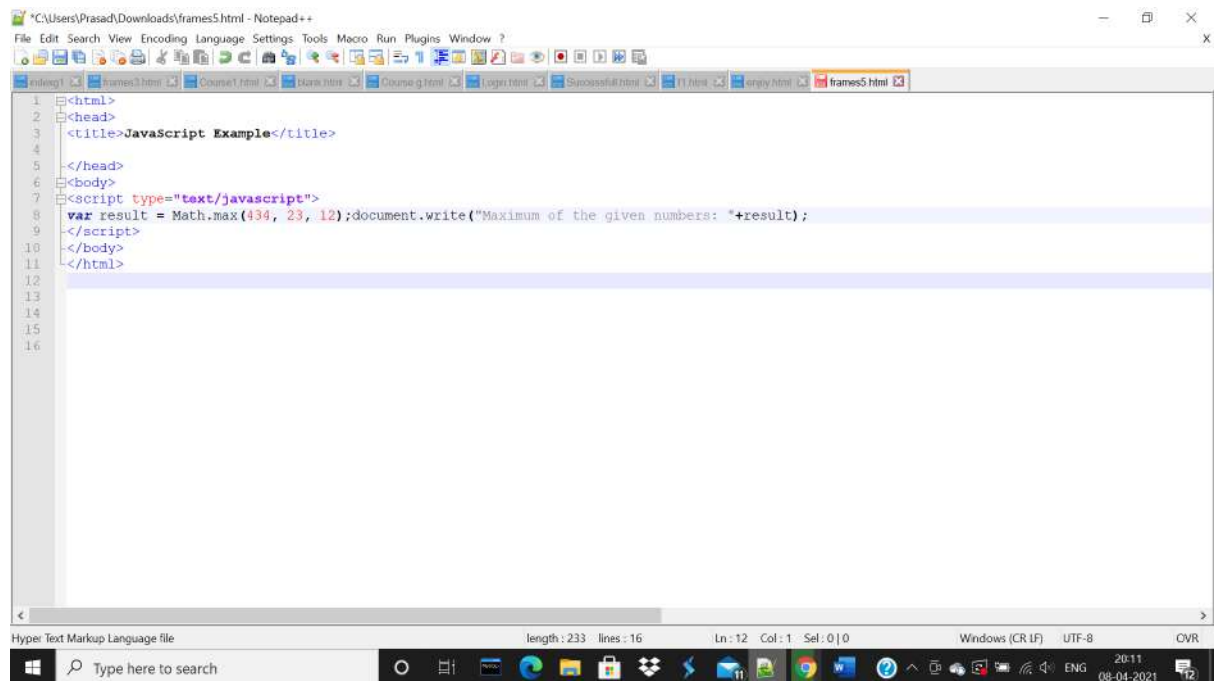
<title>JavaScript Example</title>

</head>

<body>

<script type="text/javascript">

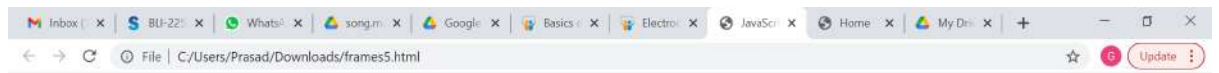var result = Math.max(434, 23, 12);document.write("Maximum of the given numbers: "+result);

</script>

</body>

</html>

Maximum of the given numbers: 434

- math.min

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to return the lowest number of 76 and 89 </p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction() { document.getElementById("demo").innerHTML =
Math.min(76 , 89);

}

</script>

</body>

</html>
```
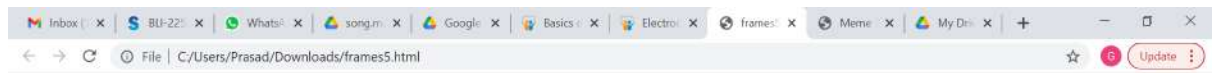
Click the button to return the lowest number of 76 and 89

Try it

76

- math.sqrt

Code:

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to display the square root of 25.</p>

<button onclick="myFunction()">Access it </button>

<p id="demo"></p>

<script>

function myFunction() { document.getElementById("demo").innerHTML =
Math.sqrt(25);

}

</script>

</body>

</html>
```
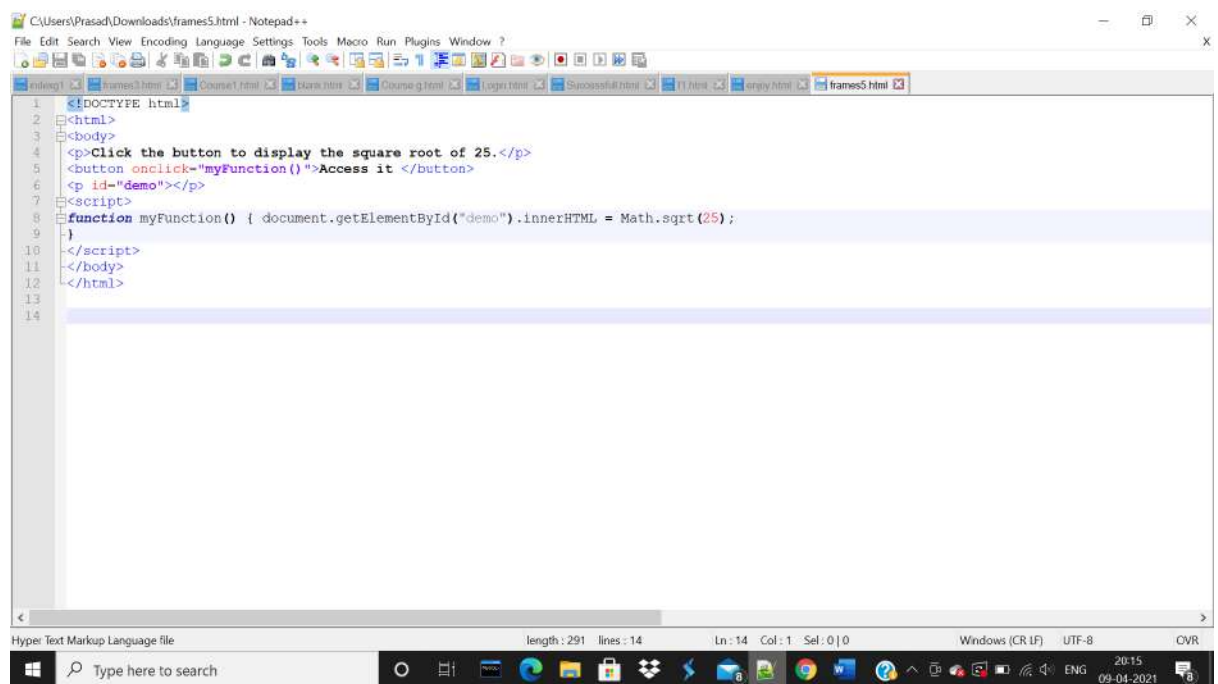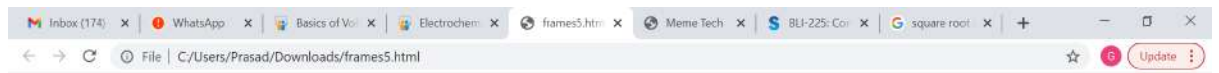
Click the button to display the square root of 25.

Access it

5

16. Working with strings and methods in java Script
1. Create a page demostrating various string methods:
   - lastIndexOf

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to locate the last occurrence of a specified value.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction() {

var str = "Hello This Is Java"; var n = str.lastIndexOf("Java");
document.getElementById("demo").innerHTML = n;

}

</script>

</body>

</html>
```
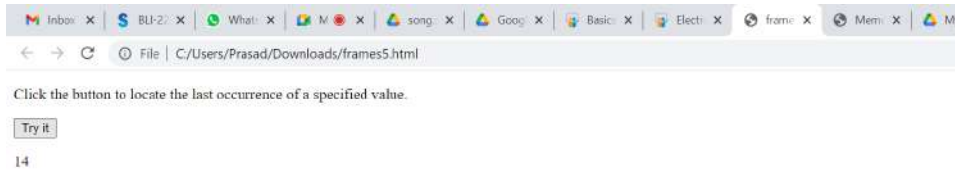
Click the button to locate the last occurrence of a specified value.

Try it

14

- Slice

```
<!DOCTYPE html>

<html>

<body>

<p>You will have to Click the button to display the extracted part of the string.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction() { var str = "Hello Java "; var res = str.slice(0 , 1);

document.getElementById("demo").innerHTML = res;

}

</script>

</body>

</html>
```