



# Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

AY: 2025-26

<b>Class:</b>	TE	<b>Semester:</b>	V
<b>Course Code:</b>	CSL501	<b>Course Name:</b>	Web Computing and Network Lab

<b>Name of Student:</b>	Shravani Sandeep Raut
<b>Roll No. :</b>	51
<b>Experiment No.:</b>	04
<b>Title of the Experiment:</b>	Implement vanilla JavaScript for form validations with DOM elements.
<b>Date of Performance:</b>	06/08/2025
<b>Date of Submission:</b>	13/08/2025

## Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Performance	5	
Understanding	5	
Journal work and timely submission	10	
Total	20	

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations
Performance	4-5	2-3	1
Understanding	4-5	2-3	1
Journal work and timely submission	8-10	5-8	1-4

Checked by

Name of Faculty : Ms Kshitija Gharat

Signature :

Date:



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**Aim** - To implement Javascript basics

### Objective -

- 1) The objective of this experiment is to understand the basic function used in Javascript
- 2) Understand how to use the different basic functions for creating web applications.

### Requirement -

1. An editor (Visual Studio Code)
2. Browser (Google Chrome)

### Theory -

JavaScript is a lightweight, cross-platform, and interpreted compiled programming language which is also known as the scripting language for web pages. It is well-known for the development of web pages, many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. Javascript is both an imperative and declarative type of language. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.

### Code: Html code

Html code

```
<!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>
</head>
<body>
  <h2>JavaScript variables</h2>
  <p id="demo"></p>
  <h2>Javascript Function</h2>
  <p id="demo1"></p>
  <h2>Javascript Condition(if..else)</h2>
  <p id="demo2"></p>
  <h2>Javascript loop(for loop)</h2>
  <p id="demo3"></p>
  <h2>JavaScript events</h2>
  <button onclick="document.getElementById('demo4').innerHTML=Date()">The time
is?</button>
  <p id='demo4'></p>
  <h2>Javascript DOM CSS</h2>
  <h1 id="id1">My Heading 1</h1>
  <button type="button" onclick="document.getElementById('id1').style.color = 'red'">Click
Me!</button>
```



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```
<p id="p1">Hello World!</p>
<p>The paragraph above was changed by a script.</p>
<p>Please input a number between 1 and 10:</p>
<input id="numb">

<button type="button" onclick="myFunction()">Submit</button>

<p id="demo5"></p>

<script src="java1.js"></script>

</body>
</html>
```

### Javascript code

```
var x = 5;

var y = 6;

var z = x +

y;

document.getElementById("demo").innerHTML =

"The value of z is: " + z;

function myFunction(p1, p2) {

    return p1 * p2;

}

document.getElementById("demo1").innerHTML = "the value of function multiplication is:" +
myFunction(4, 3);

var a=4;

var

b="";

if(a%2==0){

    b="even no";

}else{

    b="odd no",

}
```



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document.getElementById("demo2").innerHTML = "the number is: " +b;



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```
const cars = ["python", "java", "C", "C++", "HTML", "React"];
```

```
let text = "";
```

```
for (let i = 0; i < cars.length; i++) {
```

```
    text += cars[i] + "<br>";
```

```
}
```

```
document.getElementById("demo3").innerHTML = text;
```

```
document.getElementById("p1").innerHTML = "Kavya Naik"
```

```
function myFunction() {
```

```
    // Get the value of the input field with id="numb"
```

```
    let x = document.getElementById("numb").value;
```

```
    // If x is Not a Number or less than one or greater than 10
```

```
    let text;
```

```
    if (isNaN(x) || x < 1 || x > 10) {
```

```
        text = "Input not valid";
```

```
    } else {
```

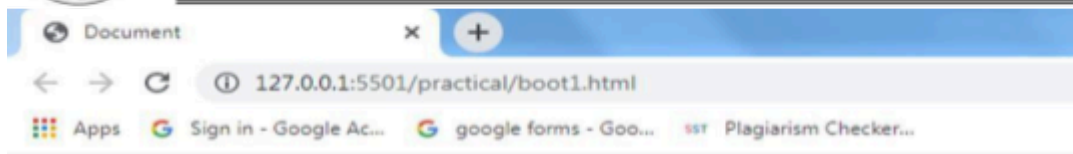
```
        text = "Input OK";
```

```
    }
```

```
    document.getElementById("demo5").innerHTML = text;
```

```
}
```

Output:



### Javascript Function

the value of function multiplication is:undefined

### Javascript Condition(if..else)

the number is: even no

### Javascript loop(for loop)

python  
java  
C  
C++  
HTML  
React

### JavaScript events

The time is?

Wed Sep 15 2021 22:12:35 GMT+0530 (India Standard Time)

## Javascript DOM CSS

# My Heading 1

Click Me!

Kavya Naik

The paragraph above was changed by a script.

Please input a number between 1 and 10:

1 Submit

Input OK

Conclusion -

Javascript is a lightweight, interpreted, object-oriented language with first-class functions, and is best known as the scripting language for Web pages.