

FULL STACK DEVELOPMENT –I

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6a. Write a program to embed internal and external JavaScript in a web page.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Center Buttons in HTML</title>
    <style>
        /* Center content vertically and horizontally */
        body {
            justify-content: center; /* Center horizontally */
            align-items: center; /* Center vertically */
            height: 100vh; /* Full viewport height */
            margin: 0;
            flex-direction: column; /* Stack elements vertically */
            text-align: center;
        }
        /* Style buttons */
        button {
            padding: 10px 20px;
            font-size: 16px;
            margin: 10px;
            background-color: #007bff;
            color: white;
            border-radius: 5px;
        }
        button:hover {
            background-color: #0056b3;
        }
    </style>
    <script>
        function internalFunction() {
            alert("This is an internal JavaScript function!");
        }
    </script>
</head>
<body>
    <h1>JavaScript Embedding Example</h1>
    <button onclick="internalFunction()">Run Internal Script</button>
    <button onclick="externalFunction()">Run External Script</button>
    <script src="script_6a.js"></script>
</body>
</html>

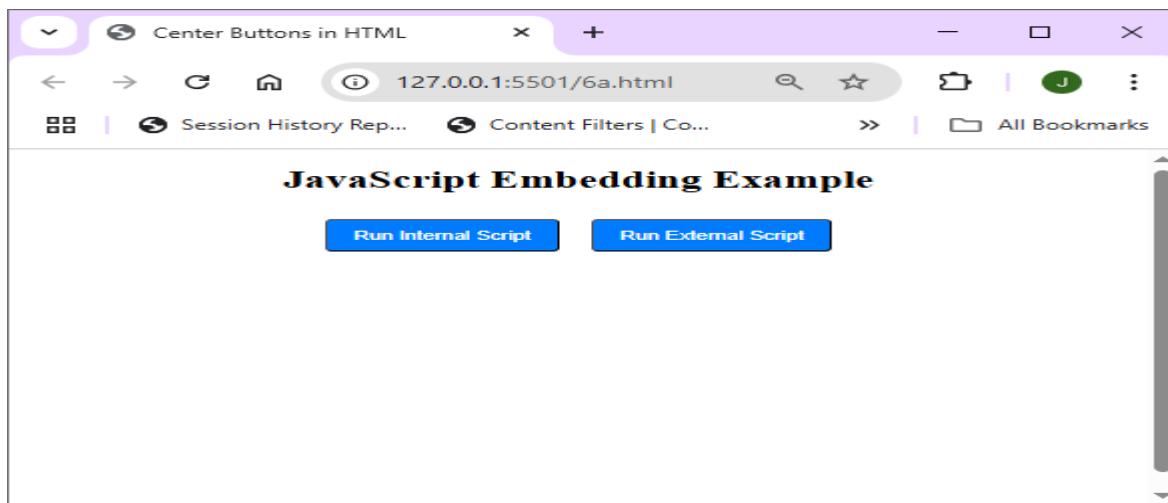
// External JavaScript function: script_6a.js
function externalFunction() {
    alert("This is an external JavaScript function!");
}
```

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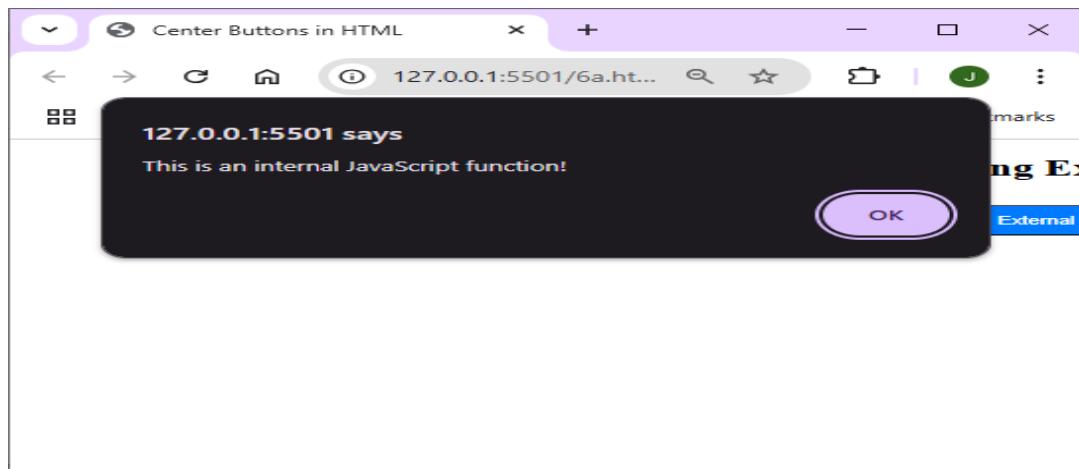
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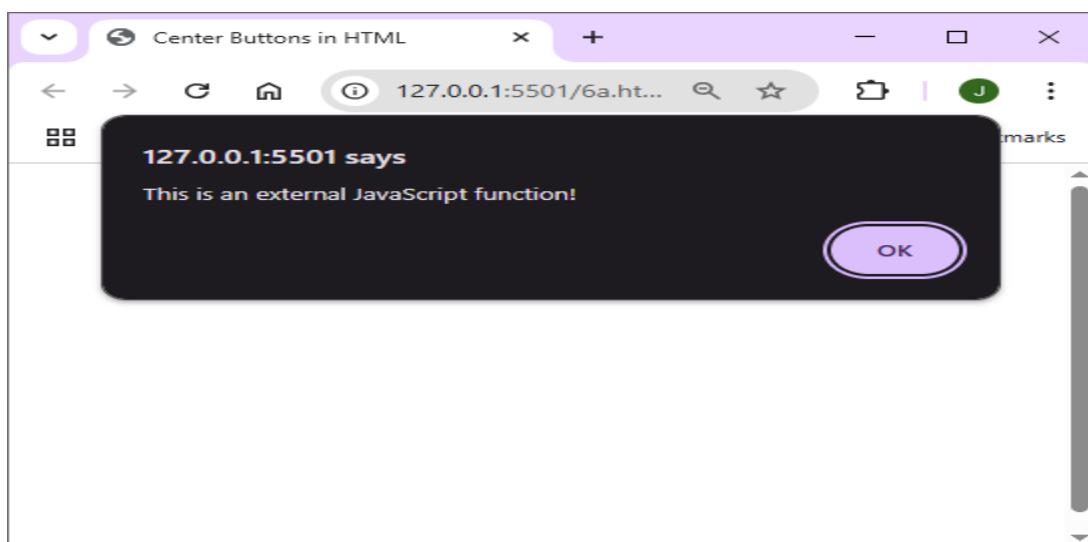
Output-1:



Output-2:



Output-3:



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- b. Write a program to explain the different ways for displaying output.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>JavaScript Output Methods</title>
</head>
<body>

    <h1>JavaScript Output Methods</h1>
    <div id="output"></div> <!-- For innerHTML output -->

    <script>
        // 1. Console Output
        console.log("Hello! This is console.log() output.");
        console.warn("This is a warning message.");
        console.error("This is an error message.");

        // 2. Alert Box
        alert("This is an alert message!");

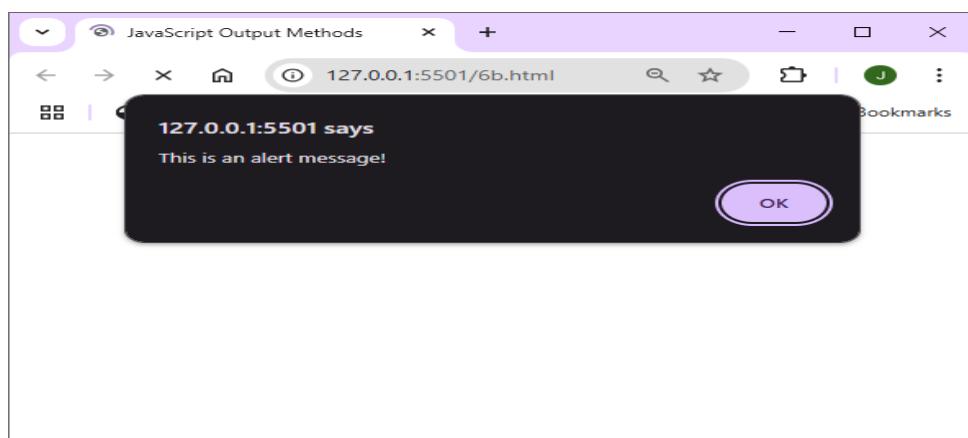
        // 3. Writing to the Web Page
        document.write("<h2>This text is written using document.write()</h2>");

        // 4. Changing an HTML Element
        document.getElementById("output").innerHTML = "This text is set using innerHTML.";

        // 5. Confirmation Box
        let confirmMsg = confirm("Do you like JavaScript?");
        document.write("<p>You clicked: " + (confirmMsg ? "Yes" : "No") + "</p>");
    </script>

</body>
</html>
```

Output-1:

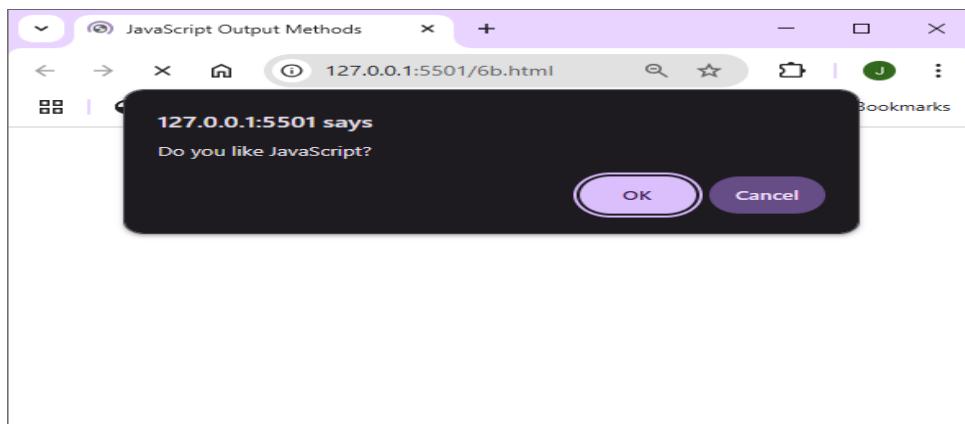


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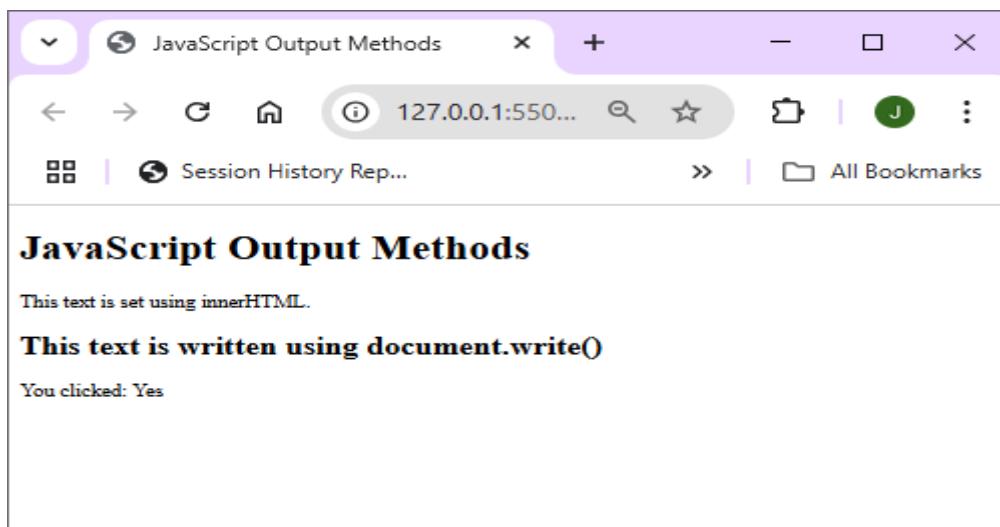
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Output-2:



Output-3:



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c. Write a program to explain the different ways for taking input.

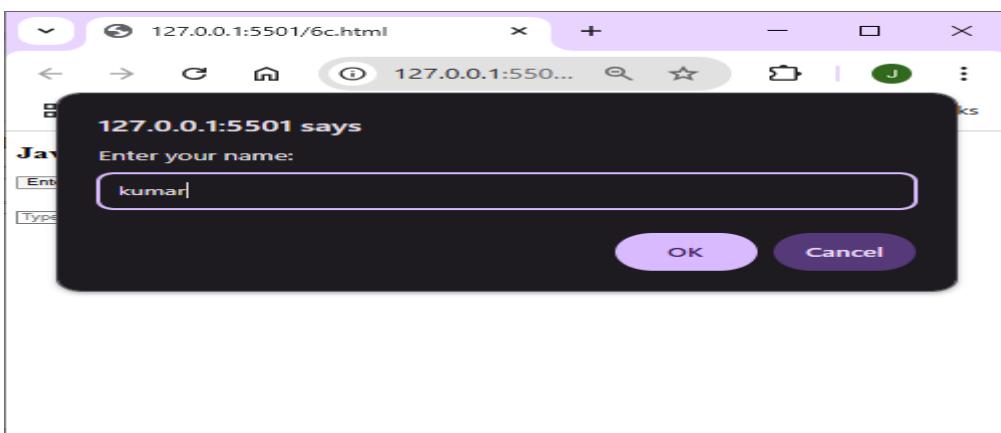
```
<!DOCTYPE html>
<html>
<body>
    <h2>JavaScript Input Methods</h2>

    <!-- Using prompt() -->
    <button onclick="document.getElementById('promptOutput').innerText = 'Hello, ' +
prompt('Enter your name:');">
        Enter Name (Prompt)
    </button>
    <p id="promptOutput"></p>

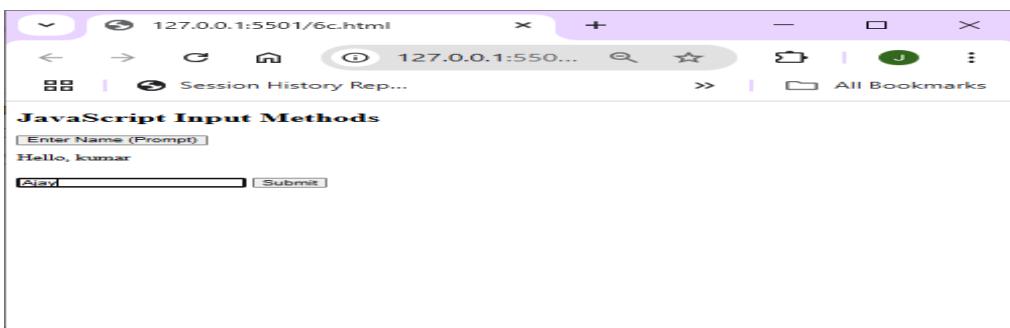
    <br>

    <!-- Using HTML input field -->
    <input type="text" id="userInput" placeholder="Type something...">
    <button onclick="document.getElementById('inputOutput').innerText = 'User entered: ' +
document.getElementById('userInput').value;">
        Submit
    </button>
    <p id="inputOutput"></p>
</body>
</html>
```

Output-1:



Output-2:



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d. Create a webpage which uses prompt dialogue box to ask a voter for his name and age. Display the information in table format along with either the voter can vote or not.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Voter Eligibility</title>
</head>
<body>

<table border="1" align="center">
    <caption><h2>Voter Eligibility Check</h2></caption>
    <tr>
        <th>Name</th>
        <th>Age</th>
        <th>Eligibility</th>
    </tr>
    <tr>
        <td id="voterName"></td>
        <td id="voterAge"></td>
        <td id="voterStatus"></td>
    </tr>
</table>

<script>
let name = prompt("Enter your name:");
let age = parseInt(prompt("Enter your age"));

if (name && age) {
    document.getElementById("voterName").textContent = name;
    document.getElementById("voterAge").textContent = age;
    document.getElementById("voterStatus").textContent = (age >= 18) ? "Eligible to Vote"
: "Not Eligible to Vote";
} else {
    alert("Please enter valid details.");
}
</script>
</body>
</html>
```

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Output:

