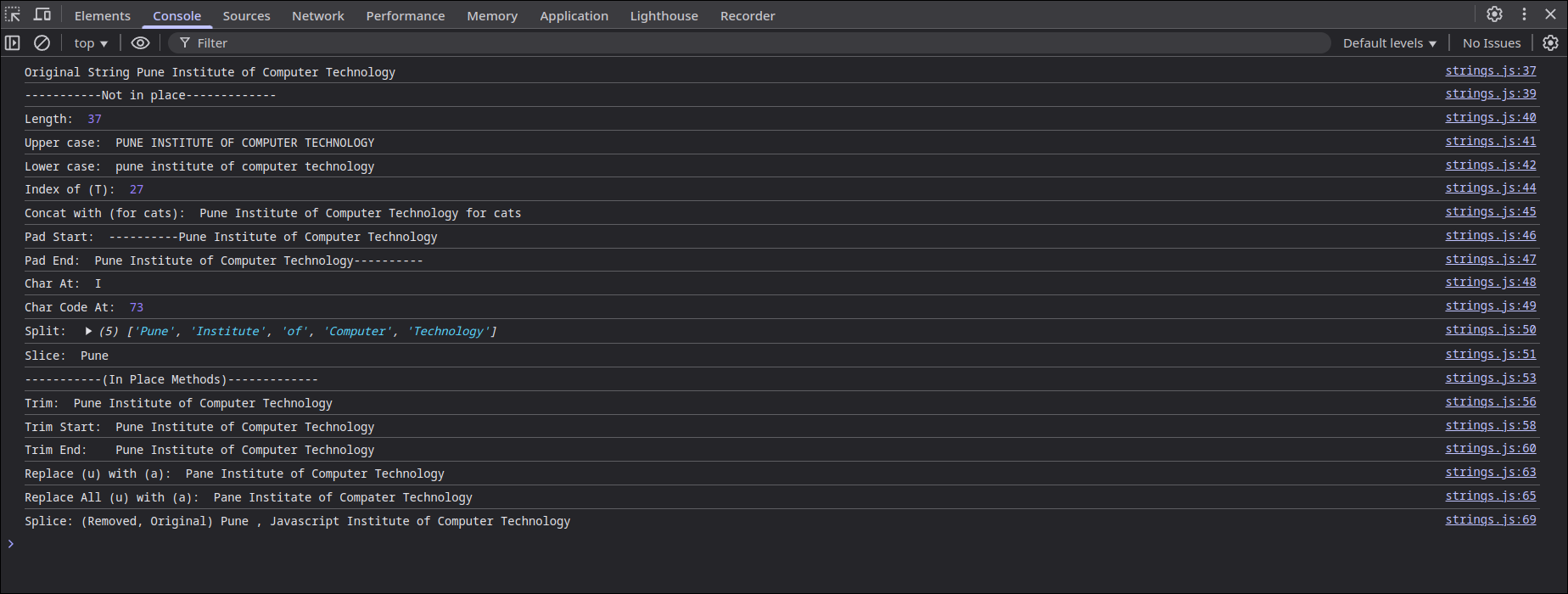
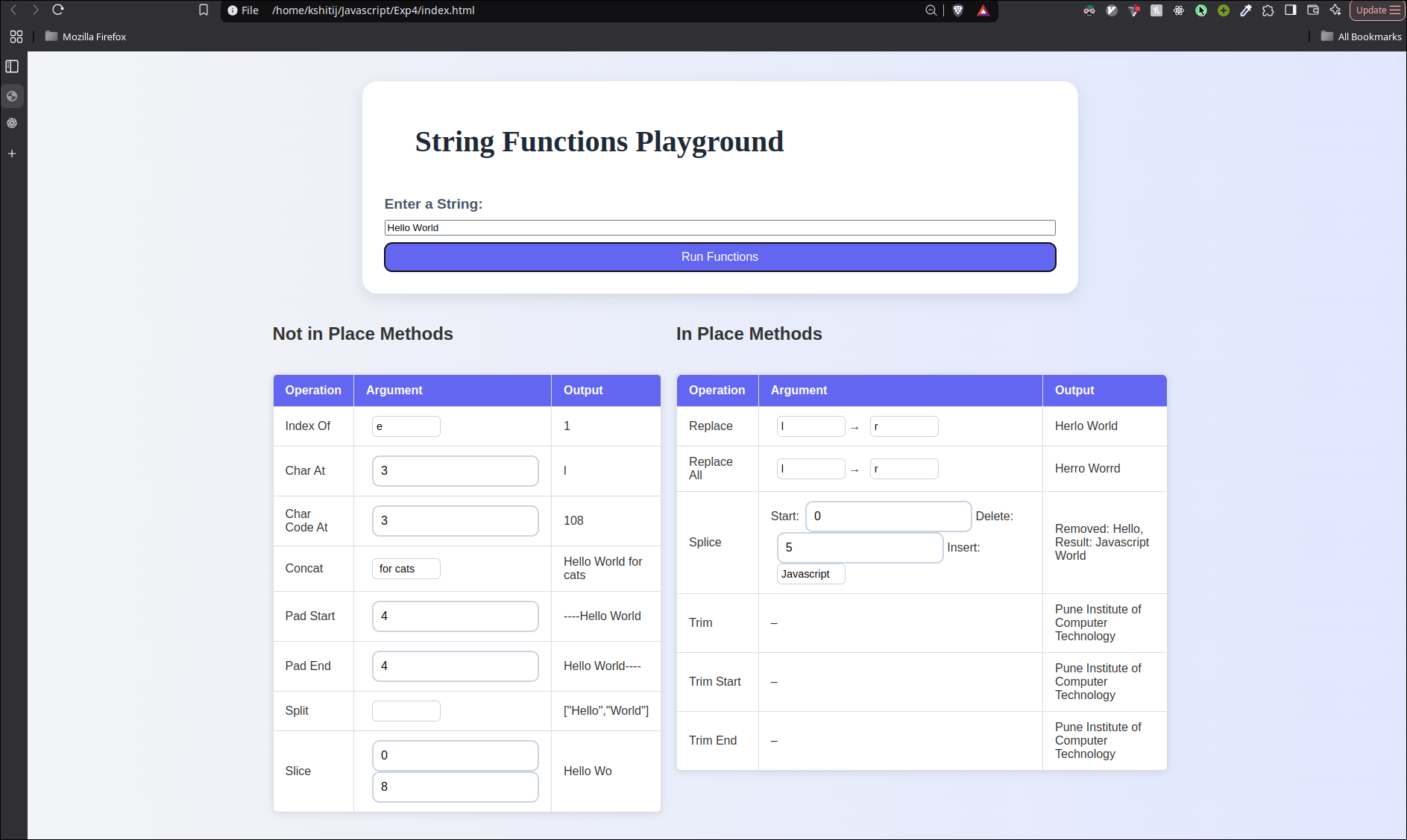
**Output:**



**Code:**

1. **HTML:**

<!DOCTYPE html>

<html lang="en">

<head>

<script type="text/javascript" src="string\_comp.js"></script>

<link rel="stylesheet" href="style.css">

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<div class="shape-box">

<div class="form-section">

<h1>🔤 String Functions Playground</h1>

<label for="string" class="area-label">Enter a String:</label>

<input type="text" id="string" placeholder="Type something...">

<button onclick="runAll()">Run Functions</button>

</div>

</div>

<div class="all">

<!-- Left Column -->

<div class="operation">

<h2>Not in Place Methods</h2>

<table id="notInPlaceTable">

<thead>

<tr>

<th>Operation</th>

<th>Argument</th>

<th>Output</th>

</tr>

</thead>

<tbody>

<tr><td>Index Of</td><td><input id="arg-indexof" class="arg-input" value="T"></td><td id="out-indexof"></td></tr>

<tr><td>Char At</td><td><input id="arg-charat" type="number" class="arg-input" value="5"></td><td id="out-charat"></td></tr>

<tr><td>Char Code At</td><td><input id="arg-charcodeat" type="number" class="arg-input" value="5"></td><td id="out-charcodeat"></td></tr>

<tr><td>Concat</td><td><input id="arg-concat" class="arg-input" value=" for cats"></td><td id="out-concat"></td></tr>

<tr><td>Pad Start</td><td><input id="arg-padstart" type="number" class="arg-input" value="10"></td><td id="out-padstart"></td></tr>

<tr><td>Pad End</td><td><input id="arg-padend" type="number" class="arg-input" value="10"></td><td id="out-padend"></td></tr>

<tr><td>Split</td><td><input id="arg-split" class="arg-input" value=" "></td><td id="out-split"></td></tr>

<tr><td>Slice</td>

<td>

<input id="arg-slice-start" type="number" class="arg-input" value="0">

<input id="arg-slice-end" type="number" class="arg-input" value="4">

</td>

<td id="out-slice"></td>

</tr>

</tbody>

</table>

</div>

<!-- Right Column -->

<div class="operation">

<h2>In Place Methods</h2>

<table id="inPlaceTable">

<thead>

<tr>

<th>Operation</th>

<th>Argument</th>

<th>Output</th>

</tr>

</thead>

<tbody>

<tr><td>Replace</td><td><input id="arg-replace1" class="arg-input" value="u"> → <input id="arg-replace2" class="arg-input" value="a"></td><td id="out-replace"></td></tr>

<tr><td>Replace All</td><td><input id="arg-replaceall1" class="arg-input" value="u"> → <input id="arg-replaceall2" class="arg-input" value="a"></td><td id="out-replaceall"></td></tr>

<tr><td>Splice</td>

<td>

Start:<input id="arg-splice-start" type="number" class="arg-input" value="0">

Delete:<input id="arg-splice-del" type="number" class="arg-input" value="4">

Insert:<input id="arg-splice-insert" class="arg-input" value="Javascript">

</td>

<td id="out-splice"></td>

</tr>

<tr><td>Trim</td><td>–</td><td id="out-trim"></td></tr>

<tr><td>Trim Start</td><td>–</td><td id="out-trimstart"></td></tr>

<tr><td>Trim End</td><td>–</td><td id="out-trimend"></td></tr>

</tbody>

</table>

</div>

</div>

</body>

1. **Javascript:**

function runAll() {

const s = document.getElementById("string").value;

if (!s) {

alert("Please enter a string first!");

return;

}

// --- Not in Place ---

document.getElementById("out-indexof").textContent = s.indexOf(document.getElementById("arg-indexof").value);

document.getElementById("out-charat").textContent = s.charAt(parseInt(document.getElementById("arg-charat").value));

document.getElementById("out-charcodeat").textContent = s.charCodeAt(parseInt(document.getElementById("arg-charcodeat").value));

document.getElementById("out-concat").textContent = s.concat(document.getElementById("arg-concat").value);

document.getElementById("out-padstart").textContent = s.padStart(s.length + parseInt(document.getElementById("arg-padstart").value), "-");

document.getElementById("out-padend").textContent = s.padEnd(s.length + parseInt(document.getElementById("arg-padend").value), "-");

document.getElementById("out-split").textContent = JSON.stringify(s.split(document.getElementById("arg-split").value));

document.getElementById("out-slice").textContent = s.slice(

parseInt(document.getElementById("arg-slice-start").value),

parseInt(document.getElementById("arg-slice-end").value)

);

// --- In Place ---

document.getElementById("out-replace").textContent = s.replace(

document.getElementById("arg-replace1").value,

document.getElementById("arg-replace2").value

);

document.getElementById("out-replaceall").textContent = s.replaceAll(

document.getElementById("arg-replaceall1").value,

document.getElementById("arg-replaceall2").value

);

let arr = s.split("");

let removed = arr.splice(

parseInt(document.getElementById("arg-splice-start").value),

parseInt(document.getElementById("arg-splice-del").value),

document.getElementById("arg-splice-insert").value

).join("");

document.getElementById("out-splice").textContent = `Removed: ${removed}, Result: ${arr.join("")}`;

let orig = " Pune Institute of Computer Technology ";

document.getElementById("out-trim").textContent = orig.trim();

document.getElementById("out-trimstart").textContent = orig.trimStart();

document.getElementById("out-trimend").textContent = orig.trimEnd();

}