<html>

<head>

<title>Stack</title>

<script type="text/javascript">

function stack() {

this.\_size = 0;

this.\_a = {};

}

stack.prototype.push = function () {

var data = prompt("enter element to be pushed","");

var size = ++this.\_size;

this.\_a[size] = data;

this.display();

alert("added!");

};

stack.prototype.pop = function () {

var size = this.\_size,

deletedData;

if (size) {

deletedData = this.\_a[size];

delete this.\_a[size];

this.\_size--;

this.display();

alert("removed!");

return deletedData;

}

};

stack.prototype.display = function () {

const list = document.getElementById('res');

var html = '';

for (var i in this.\_a) {

html = html + `<li>${this.\_a[i]}</li>`;

}

list.innerHTML = html;

};

var s1 = new stack();

</script>

</head>

<body>

<div class="buttons">

<button onclick="s1.push()">Push</button>

<button onclick="s1.pop()">Pop</button>

</div>

<div class="stack">

<h2>Elements in stack area</h2>

<ul id="res">

</ul>

</div>

</body>

</html>







