//======================= EVENODD.HTML ===========================

<!doctype html>

<html lang="en">

<body>

<form>

<h1>Please enter data</h1>

<input id="Number" type="number" />

<input type="button" value="Save" onclick="insert(Number)" />

<input type="button" value="Show data" onclick="show()" />

<input type="button" value="Sort" onclick="oddEvenSorting()" />

</form>

<div id="display"></div>

<script>

var list=new Array();

function insert( Number ) {

list.push( Number.value );

console.log( list.join(", ") );

}

function show() {

var string="<b>All Elements of the Array :</b><br>";

for(i = 0; i < list.length; i++) {

string =string+list[i]+"<br>";

}

if(list.length > 0)

document.getElementById('display').innerHTML = string;

}

function oddEvenSorting() {

var n = list.length;

var sorted = false;

while (!sorted) {

sorted = true;

for (var i = 1; i < (n - 1); i += 2) {

if (list[i] > list[i + 1]) {

var temp=list[i]

list[i] = list[i+1]

list[i+1]=temp;

if (sorted) sorted = false;

}

}

for (var i = 0; i < (n - 1); i += 2) {

if (list[i] > list[i + 1]) {

var temp=list[i]

list[i] = list[i+1]

list[i+1]=temp;

if (sorted) sorted = false;

}

}

}

var string="<b>All Elements of the Array :</b><br>";

for(i = 0; i < list.length; i++) {

string =string+list[i]+"<br>";

}

if(list.length > 0)

document.getElementById('display').innerHTML = string;

}

</script>

</body>

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