================================== assignment 1 ====================================

<!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>Assignment1</title>

<script>

window.addEventListener('DOMContentLoaded', () => {

let arr = [];

arr.length = 10;

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

arr[i] = Math.floor((Math.random() \* 100) + 1);

}

console.log(arr);

let num = document.querySelector("#num");

num.addEventListener('blur', () => {

let num = document.querySelector("#num").value;

let bool = isNumPresent(num);

buttonViewer(bool);

});

//ADD

let add = document.querySelector("#add");

add.addEventListener('click', () => {

let num = document.querySelector("#num").value;

// console.log(num);

arr.push(parseInt(num));

console.log(arr);

document.querySelector("#add").disabled = true;

document.querySelector("#msg").innerHTML = "Number is Added Successfully";

document.querySelector("#viewall").disabled = false;

});

//EDIT

let edit = document.querySelector("#edit");

edit.addEventListener('click', () => {

//let newNum=prompt(Math.floor((Math.random() \* 100) + 1));

let newNum=(Math.floor((Math.random() \* 100) + 1));

alert("Replace this Number with "+ newNum);

//console.log(newNum);

let i;

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

if (arr[i]== document.querySelector("#num").value) {

break;

}}

let boool=isNumPresent(newNum);

if(boool==false){

arr.splice(i, 1,newNum);

document.querySelector("#msg").innerHTML = "Number is Replaced Successfully";

}

else{document.querySelector("#msg").innerHTML = "Number is Already present in array. Please press edit button again";}

console.log(arr);

});

//DELETE

let del = document.querySelector("#del");

del.addEventListener('click', () => {

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

if (arr[i]== document.querySelector("#num").value) {

arr.splice(i, 1);

break;

}}

console.log(arr);

document.querySelector("#msg").innerHTML = "Number is Deleted Successfully";

document.querySelector("#array").innerHTML = "[ "+arr+" ]";

});

//VIEW ALL

let veiw = document.querySelector("#viewall");

veiw.addEventListener('click', () => {

document.querySelector("#array").innerHTML = "[ "+arr+" ]";

});

let oddnum = document.querySelector("#oddnum");

oddnum.addEventListener('click', () => {

let oddarr=[];

for(let i=0,j=0; i<arr.length; i++){

if(i==0 || i%2 !=0){

oddarr[j]=arr[i];

j++;

}

}

document.querySelector("#array").innerHTML = "[ "+oddarr+" ]";

});

//LOGIC PART

function buttonViewer(bool){

if (bool == true) {

//console.log(num);

document.querySelector("#add").disabled = true;

document.querySelector("#edit").disabled = false;

document.querySelector("#del").disabled = false;

document.querySelector("#viewall").disabled = false;

document.querySelector("#oddnum").disabled = false;

document.querySelector("#msg").innerHTML = "Number is present in Array";

}

else {

//console.log(num);

document.querySelector("#add").disabled = false;

document.querySelector("#edit").disabled = true;

document.querySelector("#del").disabled = true;

document.querySelector("#viewall").disabled = true;

document.querySelector("#oddnum").disabled = true;

document.querySelector("#msg").innerHTML = "Number is not present in Array";

}

}

function isNumPresent(num) {

//console.log(num);

let output = false;

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

if (arr[i] == num) {

output= true;

break;

}

}

return output;

}

});

//let x = Math.floor((Math.random() \* 100) + 1);// for random no.s

</script>

</head>

<body>

<h1>Array of Element</h1>

<input type="text" id="num" placeholder="Enter Number">

<span id="msg">Message will appear here</span>

<br><br>

<button id="add" disabled>Add</button>

<button id="edit" disabled>Edit</button>

<button id="del" disabled>Delete</button>

<button id="viewall" disabled>Veiw All</button>

<button id="oddnum" disabled>Show Odd Position</button>

<hr>

<p> Content of Array : <span id="array">View Array</span></p>

</body>

</html>

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============================================ASSIGNMENT NO 2=========================================================

<!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>Assignment 1</title>

<script>

window.addEventListener("DOMContentLoaded", (event) => {

// blur

let num = document.querySelector("#num");

num.addEventListener('blur', () => {

console.log("blur event");

// const arr = [10, 20, 30, 40, 50];

let output = getArray(document.querySelector("#num").value);

/\* for (let i = 0; i < arr.length; i++) {

if (arr[i] == document.querySelector("#num").value) {

console.log("found");

output = true;

break;

}

}\*/

console.log(output.result);

if (output.result) {

document.querySelector("#edit").disabled = false;

document.querySelector("#delete").disabled = false;

document.querySelector("#add").disabled = true;

document.querySelector("#view").disabled = false;

document.querySelector("#show").disabled = true;

}

else {

document.querySelector("#add").disabled = false;

document.querySelector("#edit").disabled = true;

document.querySelector("#delete").disabled = true;

}

});

//------------------------------------------------------------------------------------------------------

// add

let addNum = document.querySelector("#add");

addNum.addEventListener('click', () => {

console.log("add");

// const arr = [10, 20, 30, 40, 50];

let output = getArray2(document.querySelector("#num").value);

// let output = getArray(document.querySelector("#num").value);

/\* for (let i = 0; i < arr.length; i++) {

if (arr[i] == document.querySelector("#num").value) {

console.log("found");

output = true;

}

}\*/

console.log(output.result);

if (!output.result) {

output.arr.push(parseInt(document.querySelector("#num").value));

console.log(output.arr);

document.querySelector("#add").disabled = true;

document.querySelector("#msg").innerHTML = "number added"

}

});

//----------------------------------------------------------------------------------------------------------------

//edit the number

let edit = document.querySelector("#edit");

edit.addEventListener('click', () => {

let input = document.querySelector("#num").value;

// const arr = [10, 20, 30, 40, 50];

let i;

/\* for (i = 0; i < arr.length; i++) {

if (arr[i] == document.querySelector("#num").value) {

console.log("found");

output = true;

break;

}

}\*/

let output = getArray(document.querySelector("#num").value);

let newnum = prompt("Enter new number");

if (output.result) {

console.log("Edit sucessfull");

document.querySelector("#edit").disabled = false;

document.querySelector("#msg").innerText = "Edit Sucessful";

console.log(i);

output.arr[i] = parseInt(newnum);

console.log("new number: " + newnum);

console.log(output.arr);

document.querySelector("#view").disabled = false;

document.querySelector("#show").disabled = false;

}

else {

console.log("Number Notfound can't edit");

}

});

//--------------------------------------------------------------------------------------------------------------------

//delete

let deleteNum = document.querySelector("#delete");

deleteNum.addEventListener('click', () => {

console.log("delete number");

const arr = [10, 20, 30, 40, 50];

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

if (arr[i] == document.querySelector("#num").value) {

arr.splice(i, 1);

break;

}

}

console.log(arr);

document.querySelector("#edit").disabled = true;

document.querySelector("#delete").disabled = true;

document.querySelector("#add").disabled = true;

});

//--------------------------------------------------------------------------------------------------------------------------

// view all

let view = document.querySelector("#view");

view.addEventListener('click', () => {

// const arr = [10, 20, 30, 40, 50];

let arr1 = [];

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

arr1.push(arr[i]);

// document.querySelector("#msg1").innerHTML= arr[i];

console.log(arr[i]);

} document.querySelector("#msg1").innerHTML = arr1;

});

//---------------------------------------------------------------------------------------------------------------------

// view odd position index

let show = document.querySelector("#show");

show.addEventListener('click', () => {

// const arr = [10, 20, 30, 40, 50];

let arr1 = [];

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

if (i == 0 || i % 2 != 0) {

arr1.push(arr[i]);

// document.querySelector("#msg1").innerHTML= arr[i];

console.log(arr[i]);

}

} document.querySelector("#msg1").innerHTML = arr1;

});

let arr = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100];

function getArray(num) {

let output = { result: false, arr: [] };

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

if (arr[i] == num) {

console.log("found");

output.result = true;

arr.push(num);

break;

}

} return output;

}

function getArray(num) {

let output = { result: false, arr: [] };

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

if (arr[i] == num) {

console.log("found");

output.result = true;

break;

}

} return output;

}

//add

function getArray2(num) {

let output = { result: false, arr: [] };

arr.push(num);

return output;

}

function getArray1() {

let output = { arr2: [] };

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

console.log("found");

output.arr2 = arr[i];

} return output.arr2;

}

});

</script>

</head>

<body>

<input type="number" id="num" placeholder="Enter the number" />

<span id="msg">msg</span></br>

<input type="button" id="add" value="Add the number" />

<input type="button" id="edit" value="Edit the number" disabled />

<input type="button" id="delete" value="Delete the number" disabled /></br>

<input type="button" id="view" value="View All" />

<input type="button" id="show" value="Show odd position" />

</br>

<span id="msg1">y</span></br>

</body>

</html>

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============================================ASSIGNMENT NO 3=========================================================

<!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>Assignment No 3</title>

<script>

window.addEventListener("DOMContentLoaded", () => {

console.log("Page loaded");

//Array details

let arr = [{ itemno: 25, price: 5000, qty: 35 },

{ itemno: 26, price: 6000, qty: 40 },

{ itemno: 27, price: 7000, qty: 45 }

];

// contains

function contains() {

let x = "";

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

x += "<br>" + " Item No : " + arr[i].itemno + " Item price : " + arr[i].price + " Item Quantity : " + arr[i].qty;

}

document.querySelector("#contains").innerHTML = x;

}

contains();

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// Search details

let itemno = document.querySelector("#itemno");

itemno.addEventListener('blur', () => {

console.log("Blur Event");

let itemno = document.querySelector("#itemno").value;

let output = SearchdetailsLogic(itemno);

if (output) {

document.querySelector("#msg").innerText = "Items Details Found";

document.querySelector("#add").disabled = true;

document.querySelector("#modify").disabled = false;

document.querySelector("#delete").disabled = false;

document.querySelector("#clearboxes").disabled = false;

}

else {

document.querySelector("#msg").innerText = "Items Details Not Found";

document.querySelector("#add").disabled = false;

}

});

function SearchdetailsLogic(itemno) {

let output = false;

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

if (arr[i].itemno == itemno) {

output = true;

document.querySelector("#itemno").value = arr[i].itemno;

document.querySelector("#price").value = arr[i].price;

document.querySelector("#qty").value = arr[i].qty;

}

}

return output;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//add details

let add = document.querySelector("#add");

add.addEventListener('click', () => {

console.log("Add button click");

let input = addDetailsLogic();

arr.push(input);

console.log(arr);

contains();

});

function addDetailsLogic() {

let input = {

itemno: parseInt(document.querySelector("#itemno").value),

price: parseInt(document.querySelector("#price").value),

qty: parseInt(document.querySelector("#qty").value)

};

return input;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//modify

let modify = document.querySelector("#modify");

modify.addEventListener('click', () => {

console.log("Modify button clicked");

let output = Modifydetailslogic(document.querySelector("#itemno").value);

contains();

if (output) {

document.querySelector("#msg").innerText = "Items Details Modified";

}

else {

document.querySelector("#msg").innerText = "Items Details Not Modified";

}

});

function Modifydetailslogic(itemno) {

let output = false;

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

if (arr[i].itemno == itemno) {

arr[i].itemno = document.querySelector("#itemno").value;

arr[i].price = document.querySelector("#price").value;

arr[i].qty = document.querySelector("#qty").value;

output = true;

}

}

return output;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//delete

let delete1 = document.querySelector("#delete");

delete1.addEventListener('click', () => {

console.log("Delete Button clicked");

let itemno = document.querySelector("#itemno").value;

let output = deleteDetailslogic(itemno);

contains();

if (output) {

document.querySelector("#msg").innerText = "Items Details Deleted";

}

else {

document.querySelector("#msg").innerText = "Items Details Not Deleted";

}

});

function deleteDetailslogic(itemno) {

let output = false;

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

if (arr[i].itemno == itemno) {

arr.splice(i, 1);

output = true;

}

}

return output;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//clear boxes

let clearboxes = document.querySelector("#clearboxes");

clearboxes.addEventListener('click', () => {

console.log("clearboxes button clicked");

document.querySelector("#itemno").value = "";

document.querySelector("#price").value = "";

document.querySelector("#qty").value = "";

});

});

</script>

</head>

<body>

<input id="itemno" type="text" placeholder="Item No" />

<span id="msg">message</span><br>

<input id="price" type="text" placeholder="Item price" /><br>

<input id="qty" type="text" placeholder="Item qty" /><br>

<input id="add" type="button" value="Add" disabled />

<input id="modify" type="button" value="modify" disabled />

<input id="delete" type="button" value="delete" disabled />

<input id="clearboxes" type="button" value="Clear Boxes" disabled /><br>

<hr>

<span id="contains">Contains</span><br>

</body>

</html>

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============================================ASSIGNMENT NO 4=========================================================

<!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>Assignment4</title>

<script>

class Employee {

constructor(empid, empname, email, deptid) {

this.empid = empid;

this.empname = empname;

this.email = email;

this.deptid = deptid;

}

}

class Logic {

constructor() {

this.arr = [new Employee(1, "Akshay shinde", "abcd@gmail.com", 1),

new Employee(2, "akash sharma", "abcd@gmail.com", 1),

new Employee(3, "akshay patil", "abcd@gmail.com", 2),

new Employee(4, "akshay chorge", "abcd@gmail.com", 2),

new Employee(5, "Aakash barhate", "abcd@gmail.com", 1)];

}

getItemDetailsLogic(empid) {

let output = { result: false, empdetails: {} };

for (let i = 0; i < this.arr.length; i++) {

if (this.arr[i].empid == empid) {

output.result = true;

output.empdetails = this.arr[i];

break;

}

}

return output;

}

addItemDetailsLogic(obj) {

console.log(obj);

this.arr.push(obj);

document.querySelector("#add").disabled = true;

document.querySelector("#msg").innerHTML = "Employee is Added Successfully";

document.querySelector("#viewall").disabled = false;

document.querySelector("#empname").value = "";

document.querySelector("#email").value = "";

document.querySelector("#deptid").value = "";

document.querySelector("#empid").value = "";

}

modifyItemDetailsLogic() {

document.querySelector("#msg").innerHTML = "Only Email can be Updated";

let i;

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

if (this.arr[i].empid == parseInt(document.querySelector("#empid").value)) {

this.arr[i].email = document.querySelector("#email").value;

break;

}

}

document.querySelector("#msg").innerHTML = "Employee Email is Modified Successfully";

}

removeItemDetailsLogic() {

for (let i = 0; i < this.arr.length; i++) {

if (this.arr[i].empid == document.querySelector("#empid").value) {

this.arr.splice(i, 1);

break;

}

}

document.querySelector("#empid").value = "";

document.querySelector("#empname").value = "";

document.querySelector("#email").value = "";

document.querySelector("#deptid").value = "";

document.querySelector("#msg").innerHTML = "Employee details is Deleted Successfully";

}

viewall() {

let out = [];

for (let i = 0; i < this.arr.length; i++) {

out[i] = "[ " + this.arr[i].empid + "," + this.arr[i].empname + "," + this.arr[i].email + "," + this.arr[i].deptid + "]";

}

document.querySelector("#array").innerHTML = "[ " + out + " ]";

}

buttonViewer(outputt) {

if (outputt.result == true) {

//console.log(num);

document.querySelector("#empname").value = outputt.empdetails.empname;

document.querySelector("#email").value = outputt.empdetails.email;

document.querySelector("#deptid").value = outputt.empdetails.deptid;

document.querySelector("#add").disabled = true;

document.querySelector("#modify").disabled = false;

document.querySelector("#remove").disabled = false;

document.querySelector("#viewall").disabled = false;

document.querySelector("#dept").disabled = true;

document.querySelector("#msg").innerHTML = "Employee is present in Array";

}

else {

//console.log(num);

document.querySelector("#empname").value = "";

document.querySelector("#email").value = "";

document.querySelector("#deptid").value = "";

document.querySelector("#add").disabled = false;

document.querySelector("#modify").disabled = true;

document.querySelector("#remove").disabled = true;

document.querySelector("#viewall").disabled = true;

document.querySelector("#dept").disabled = true;

document.querySelector("#msg").innerHTML = "Employee is not present in Array";

}

}

}

//DOMContentLoaded

window.addEventListener('DOMContentLoaded', () => {

let logic = new Logic();

console.log(logic.arr);

console.log(logic.arr[0].empname);

let empid = document.querySelector("#empid");

empid.addEventListener('blur', () => {

let empid = document.querySelector("#empid").value;

let outputt = logic.getItemDetailsLogic(empid);

console.log(outputt);

logic.buttonViewer(outputt);

});

//ADD

let add = document.querySelector("#add");

add.addEventListener('click', () => {

let empid = parseInt(document.querySelector("#empid").value);

let empname = document.querySelector("#empname").value;

let email = document.querySelector("#email").value;

let deptid = parseInt(document.querySelector("#deptid").value);

let obj = { empid, empname, email, deptid };

logic.addItemDetailsLogic(obj);

});

//MODIFY

let modify = document.querySelector("#modify");

modify.addEventListener('click', () => {

logic.modifyItemDetailsLogic();

});

//REMOVE

let remove = document.querySelector("#remove");

remove.addEventListener('click', () => {

logic.removeItemDetailsLogic();

});

//VIEW ALL

let veiw = document.querySelector("#viewall");

veiw.addEventListener('click', () => {

logic.viewall();

});

});

</script>

</head>

<body>

<h1>Array of Employees</h1>

<input type="text" id="empid" placeholder="Employee ID">

<span id="msg">Message will appear here</span>

<br><br>

<input type="text" id="empname" placeholder="Employee Name"><br><br>

<input type="text" id="email" placeholder="Employee Email"><br><br>

<input type="text" id="deptid" placeholder="Employee Department ID"><br><br>

<button id="add" disabled>Add</button>

<button id="modify" disabled>Modify</button>

<button id="remove" disabled>Remove</button>

<button id="viewall" disabled>View All</button>

<button id="dept" disabled>View on Deptid</button>

<hr>

<p> List of Emoloyee : <span id="array">Array will display here after pressing View All</span></p>

</body>

</html>