///////////////////// 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">Array will display here after pressing View All</span></p>

</body>

</html>

////////assignment2 //////////////////////////////////

<!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>Assignment2</title>

<script>

const arr =

[{ empid: 1, empname: "akash shinde", email: "abcd@gmail.com", deptid: 1 },

{ empid: 2, empname: "akash sharma", email: "abcd@gmail.com", deptid: 1 },

{ empid: 3, empname: "akshay patil", email: "abcd@gmail.com", deptid: 2 },

{ empid: 4, empname: "akshay shinde", email: "abcd@gmail.com", deptid: 2 },

{ empid: 5, empname: "akshay shende", email: "abcd@gmail.com", deptid: 1 },

{ empid: 6, empname: "aniket khachane", email: "abcd@gmail.com", deptid: 1 }];

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

console.log(arr);

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

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

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

let outputt = getItemDetailsLogic(empid);

console.log(outputt);

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);

// console.log(num);

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

arr.push(obj);

console.log(arr);

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

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

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

});

//==================================MODIFY================================================

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

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

let i;

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

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

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

break;

}

}

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

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

});

//==================================REMOVE================================================

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

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

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

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

arr.splice(i, 1);

break;

}

}

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

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

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

console.log(arr);

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

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

});

//==================================VIEW ALL================================================

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

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

let out=[];

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

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

}

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

});

//==================================LOGIC PART================================================

function getItemDetailsLogic(empid) {

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

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

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

output.result = true;

output.empdetails = arr[i];

break;

}

}

return output;

}

function 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";

}

}

});

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

</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>

////////////////// assignment3 //////////////////////////////////////

<html>

<head>

<script>

class ItemStatus {

constructor(status, itemobject) {

this.status = false;

this.itemobject = itemobject;

}

};

class Item {

constructor(itemno, itemprice, qty) {

this.itemno = itemno;

this.itemprice = itemprice;

this.qty = qty;

}

setItemDetails(itemno, itemprice, qty) {

this.itemno = itemno;

this.itemprice = itemprice;

this.qty = qty;

}

getItemDetails() {

return this.itemno + "--" + this.itemprice + "--" +

this.qty;

}

}

class Logic {

constructor() {

this.items = [new Item(1, 4, 5),

new Item(2, 6, 7),

new Item(3, 9, 10),

new Item(4, 12, 13)]; //assume this is

}

getItemDetailsLogic(itemno) {

let output = new ItemStatus(false, {});

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

if (this.items[i].itemno == itemno) {

output.result = true;

output.itemdetails = this.items[i];

break;

}

}

return output;

}

updateItemDetailsLogic(updateditem) {

console.log(updateditem.itemno);

let output = false;

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

if (this.items[i].itemno == updateditem.itemno) {

this.items[i].setItemDetails(updateditem.itemno, updateditem.itemprice, updateditem.qty);

output = true;

break;

}

}

console.log("inside update function" + output);

return output;

}

addItemDetailsLogic(additem) {

console.log(additem);

let output = true;

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

if (this.items[i].itemno == additem.itemno) {

output = false;

break;

}

}

if (true) {

this.items.push(new Item(additem.itemno, additem.itemprice, additem.qty));

}

console.log("inside add function" + output);

console.log(additem.itemno);

console.log(this.items);

console.log(this.items.length);

return output;

}

removeItemDetailsLogic(itemno) {

let output = false;

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

if (this.items[i].itemno == itemno) {

this.items.splice(i, 1); // which position, how many elements to remove

output = true;

break;

}

}

console.log("inside delte function" + output);

return output;

}

getAllItems() {

return this.items;

}

}//end of the logic class

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

let logic = new Logic();

showAllItems();

const itemnoid = document.querySelector("#itemno");

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

console.log("blur event");

//intellligence begins

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

console.log("input is" + itemno);

let output = logic.getItemDetailsLogic(itemno);

//if result is false, then assume itemno is not found, else assum eitemno is found

//intelligence ends here.

//after you know the output.. think how page chages.

if (output.result) {

document.querySelector("#price").value = output.itemdetails.itemprice;

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

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

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

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

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

document.querySelector("#msg").innerText = "item details found";

}

else {

console.log("no item was found");

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

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

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

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

document.querySelector("#msg").innerText = "item no not found";

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

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

}

});//end of event handling registration. blue event.

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

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

let input = {

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

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

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

};

console.log(input);

let output = logic.addItemDetailsLogic(input);//just true or false or just an int or a string is

//standard kids disease.

//intelligence ends here..

if (output) {

document.querySelector("#msg").innerText = "Added Successfully";

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

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

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

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

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

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

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

}

else {

document.querySelector("#msg").innerText = "Adding failed";

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

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

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

}

showAllItems();

//intelligence ends.

});

const update = document.querySelector("#update");

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

//intelligence begins

let input = {

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

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

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

};

console.log(input);

let output = logic.updateItemDetailsLogic(input);//just true or false or just an int or a string is

//standard kids disease.

//intelligence ends here..

if (output) {

document.querySelector("#msg").innerText = "update suceeded";

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

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

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

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

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

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

}

else {

document.querySelector("#msg").innerText = "update failed";

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

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

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

}

showAllItems();

//intelligence ends.

});

const deletebutton = document.querySelector("#delete");

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

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

console.log(input);

let output = logic.removeItemDetailsLogic(input);//just true or false or just an int or a string is

//standard kids disease.

console.log("after delte function" + output);

//intelligence ends here..

if (output) {

document.querySelector("#msg").innerText = "delete suceeded bravery";

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

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

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

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

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

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

}

else {

document.querySelector("#msg").innerText = "delete failed";

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

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

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

}

showAllItems();

});

const clear = document.querySelector("#clear");

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

console.log("clear event");

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

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

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

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

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

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

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

});//end of event handling setup for buttons

function showAllItems() {

console.log("show all items");

let output = logic.getAllItems();

let msg = "";

for (let i = 0; i < output.length; i++) //dinosaur way..

msg += "<Br/>" + output[i].itemno + " --- " + output[i].itemprice +

"--" + output[i].qty;

document.querySelector("#contents").innerHTML = msg;

}

});

</script>

<style>

</style>

</head>

<body>

<h1> Array of Items </h1>

<hr />

<input type="text" id="itemno" placeholder="itemno " /> <span id="msg"> what happened</span>

<Br /><input type="text" id="price" placeholder="price " />

<Br /><input type="text" id="qty" placeholder="qty " />

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

<button id="update" disabled> update item</button>

<button id="delete" disabled> delete item (courageous) </button>

<button id="clear" disabled> clear all boxes </button>

<hr />

<p id="contents"> here one day we will show contents </p>

</body>

</html>

//////////////////////// assignmet 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, "akash 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";

}

}

}

//=====================================EVENT HANDELING=========================================================

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>