* Display alert box after 3 seconds of website loaded.

setTimeout(function () {

alert("Hello World");

}, 3000);

* Look for API and display few data records in UI (movie data api)

function getData() {

fetch("https://randomuser.me/api/?results=10")

.then(function (res) {

console.log(res.data);

})

.catch(function (err) {

console.log(err);

});

}

* Create a function to get data from user and display that in callback function

function display(userName) {

console.log(userName);

}

display("Sarah");

* Use the Promise constructor to create a promise that will:

resolve if itShouldResolve is truthy

reject if itShouldResolve is falsy

var firstPromise = new Promise(function (resolve, reject) {

var y = 5;

if (y < 5) {

resolve("Ok");

} else {

reject("not Ok");

}

});

console.log(firstPromise);

firstPromise.then(

function (val) {

console.log(val);

},

function (err) {

console.log(err);

}

);

Return a promise that resolves with the value after delayInMs.

function delay(ms) {

return new Promise((resolve) => setTimeout(resolve, ms));

}

delay(3000).then(() => alert("runs after 3 seconds"));

* Make a function that takes in a single parameter and returns a new promise. using setTimeout, after 5000 milliseconds, the promise will either resolve or reject. if the input is a string, the promise resolves with that same string uppercased. if the input is anything but a string it rejects with that same input

function is\_string(input) {

if (typeof input == "string") {

return stringUpper();

} else {

return stringNot();

}

}

function stringUpper() {

return Promise.resolve(input.toUpperCase());

}

function stringNot() {

return Promise.reject(input);

}

console.log(is\_string("hello"));

* Create a form and validate it: email, contact, name, age, designation, select multiple files, DOB and submit form after 2 seconds.

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8" />

<title>Form</title>

</head>

<body>

<!-- Create a form and validate it: email, contact, name, age, designation, select multiple files, DOB and submit form after 2 seconds. -->

<form>

<label>Contact</label>

<input

type="text"

id="contact"

value=""

placeholder="Enter Contact Number"

/>

<p id="contactError"></p>

<label>Name</label>

<input type="text" id="name" value="" placeholder="Enter Name" />

<p id="nameError"></p>

<label>Email</label>

<input type="text" id="email" value="" placeholder="Enter Email" />

<p id="emailError"></p>

<label>Age</label>

<input type="text" id="age" value="" placeholder="Enter Age" />

<p id="ageError"></p>

<label>Designation</label>

<input

type="text"

id="designation"

value=""

placeholder="Enter Designation"

/>

<p id="designationError"></p>

<label>Date of Birth</label>

<input type="text" id="dateBirth" value="" placeholder="Enter DOB" />

<p id="dateError"></p>

<button type="button" onclick="validateForm()">Submit</button>

<p id="formError"></p>

</form>

<script src="form.js"></script>

</body>

</html>

function validateForm() {

var contact = document.getElementById("contact").value;

var name = document.getElementById("name").value;

var email = document.getElementById("email").value;

var email = document.getElementById("age").value;

var email = document.getElementById("designation").value;

var email = document.getElementById("dateBirth").value;

var formValid = false;

var contactBool = validateContact(contact, formValid);

var nameBool = validateName(name, formValid);

var emailBool = validateEmail(email, formValid);

var ageBool = validateAge(age, formValid);

var designationBool = validateDesignation(designation, formValid);

var dateBool = validateDate(date, formValid);

if (

contactBool &&

nameBool &&

emailBool &&

ageBool &&

designationBool &&

dateBool

) {

document.getElementById("formError").innerHTML = "Form submitted";

document.getElementById("contact").value = "";

document.getElementById("name").value = "";

document.getElementById("email").value = "";

document.getElementById("age").value = "";

document.getElementById("designation").value = "";

document.getElementById("dateBirth").value = "";

} else {

document.getElementById("formError").innerHTML = "Please check the fields";

}

}

function validateContact(contact, formValid) {

if (contact.trim() === "") {

formValid = false;

document.getElementById("contactError").innerHTML =

"Please enter contact number";

} else if (contact.length < 10 || contact.length > 10) {

formValid = false;

document.getElementById("contactError").innerHTML =

"Please enter contact number";

} else {

formValid = true;

document.getElementById("contactError").innerHTML = "";

}

return formValid;

}

function validateName(name, formValid) {

if (name.trim() == "") {

formValid = false;

document.getElementById("nameError").innerHTML = "Please enter name";

} else if (name.length <= 3) {

formValid = false;

document.getElementById("nameError").innerHTML = "Please enter name";

} else {

formValid = true;

document.getElementById("nameError").innerHTML = "";

}

return formValid;

}

function validateEmail(email, formValid) {

if (email.trim() == "") {

formValid = false;

document.getElementById("emailError").innerHTML = "Please enter email";

}

// else if (!pattern.test(email)) {

// formValid = false;

// document.getElementById('emailError').innerHTML = 'Please enter email';

// }

else {

formValid = true;

document.getElementById("emailError").innerHTML = "";

}

return formValid;

}

function validateAge(age, formValid) {

if (age.trim() === "") {

formValid = false;

document.getElementById("ageError").innerHTML = "Please enter age";

} else if (age < 0 || age > 100) {

formValid = false;

document.getElementById("ageError").innerHTML = "Please enter age";

} else {

formValid = true;

document.getElementById("ageError").innerHTML = "";

}

return formValid;

}

function validateDesignation(designation, formValid) {

if (designation.trim() == "") {

formValid = false;

document.getElementById("designationError").innerHTML =

"Please enter designation";

} else {

formValid = true;

document.getElementById("designationError").innerHTML = "";

}

return formValid;

}

function validateDate(date, formValid) {

if (date.trim() == "") {

formValid = false;

document.getElementById("dateError").innerHTML = "Please enter date";

} else {

formValid = true;

document.getElementById("dateError").innerHTML = "";

}

return formValid;

}

* Practice asynchronous programming/ promises and read it.