//Exercise 1

// main.js

console.log("Welcome to the Community Portal");

window.onload = function () {

alert("Page is fully loaded!");

};

//Exercise 2

const eventName = "Community Cleanup";

const eventDate = "2025-06-15";

let seatsAvailable = 50;

console.log(`${eventName} is scheduled for ${eventDate}. Seats left: ${seatsAvailable}`);

seatsAvailable--;

//Exercise 3

const events = [

{ name: "Music Night", date: "2025-06-20", seats: 10 },

{ name: "Past Event", date: "2024-06-01", seats: 0 }

];

events.forEach(event => {

const today = new Date();

const eventDate = new Date(event.date);

if (eventDate > today && event.seats > 0) {

console.log(`Upcoming Event: ${event.name}`);

} else {

console.log(`Skipping: ${event.name}`);

}

});

try {

// simulate registration

let selectedEvent = events[0];

if (selectedEvent.seats <= 0) throw "No seats available!";

selectedEvent.seats--;

console.log("Registered successfully.");

} catch (err) {

console.error("Registration failed:", err);

}

//Exercise 4

function addEvent(name, category) {

return { name, category };

}

function registerUser(user, event) {

console.log(`${user} registered for ${event.name}`);

}

function filterEventsByCategory(events, category) {

return events.filter(e => e.category === category);

}

// Closure

function createCategoryTracker() {

let count = 0;

return function () {

count++;

return count;

};

}

const trackMusic = createCategoryTracker();

console.log(trackMusic()); // 1

console.log(trackMusic()); // 2

//exercise 5

function Event(name, seats) {

this.name = name;

this.seats = seats;

}

Event.prototype.checkAvailability = function () {

return this.seats > 0;

};

const musicEvent = new Event("Jazz Night", 20);

console.log(Object.entries(musicEvent)); // [['name', 'Jazz Night'], ['seats', 20]]

console.log(musicEvent.checkAvailability());

//Exercise 6

let allEvents = [

{ name: "Yoga", type: "health" },

{ name: "Rock Concert", type: "music" }

];

allEvents.push({ name: "Jazz", type: "music" });

let musicEvents = allEvents.filter(e => e.type === "music");

let cards = allEvents.map(e => `Event: ${e.name.toUpperCase()}`);

console.log(cards);

//Exercise 7

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

function renderEvent(event) {

const div = document.createElement("div");

div.className = "eventCard";

div.textContent = `${event.name} - ${event.date}`;

eventList.appendChild(div);

}

//Exercise 8

document.getElementById("registerBtn").onclick = function () {

alert("You registered!");

};

document.getElementById("categoryFilter").onchange = function (e) {

filterEvents(e.target.value);

};

document.getElementById("searchInput").addEventListener("keydown", function (e) {

if (e.key === "Enter") {

console.log("Searching for:", e.target.value);

}

});

//Exercise 9

// Using Promises

fetch("https://mockapi.io/events")

.then(res => res.json())

.then(data => console.log("Events:", data))

.catch(err => console.error(err));

// Using async/await

async function fetchEvents() {

document.getElementById("loading").style.display = "block";

try {

const res = await fetch("https://mockapi.io/events");

const data = await res.json();

console.log(data);

} catch (e) {

console.error("Failed to load events", e);

} finally {

document.getElementById("loading").style.display = "none";

}

}

//Exercise 10

const events = [

{ name: "Yoga", date: "2025-07-01", category: "health" }

];

function logEvent({ name, date }) {

console.log(`${name} on ${date}`);

}

const newList = [...events]; // Spread

logEvent(events[0]);

//Exercise 11

document.getElementById("regForm").addEventListener("submit", function (e) {

e.preventDefault();

const name = this.elements["name"].value;

const email = this.elements["email"].value;

const event = this.elements["event"].value;

if (!name || !email) {

document.getElementById("errorMsg").textContent = "All fields are required.";

return;

}

console.log(`Registered ${name} for ${event}`);

});

//Exercise 12

function sendRegistration(data) {

document.getElementById("status").textContent = "Submitting...";

setTimeout(() => {

fetch("https://mockapi.io/register", {

method: "POST",

headers: { "Content-Type": "application/json" },

body: JSON.stringify(data)

})

.then(res => res.json())

.then(res => {

document.getElementById("status").textContent = "Registered successfully!";

})

.catch(() => {

document.getElementById("status").textContent = "Failed to register.";

});

}, 2000);

}

//Exercise 13

console.log("Submitting form...");

try {

const payload = { name: "John", email: "john@mail.com" };

console.log("Payload:", payload);

// simulate fetch

} catch (err) {

console.error("Error:", err);

}

//Exercise 14

// jQuery example

$('#registerBtn').click(function () {

alert("You clicked register!");

$('.eventCard').fadeOut().fadeIn();

});