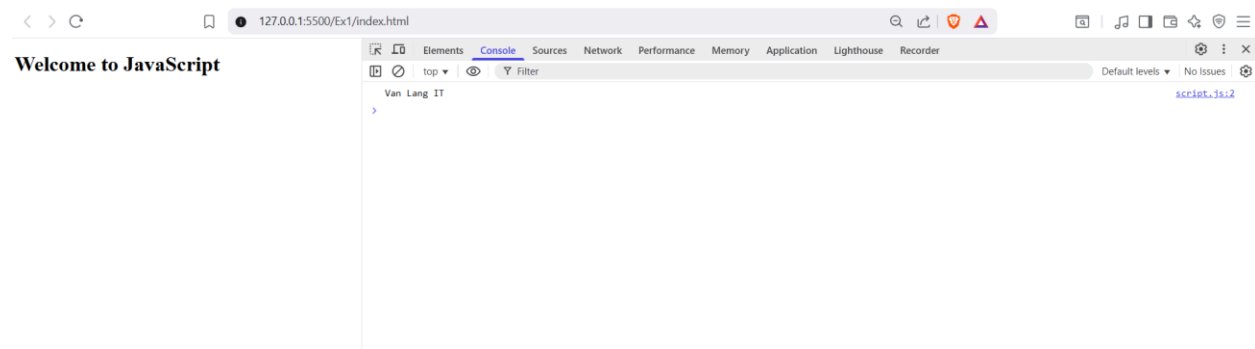


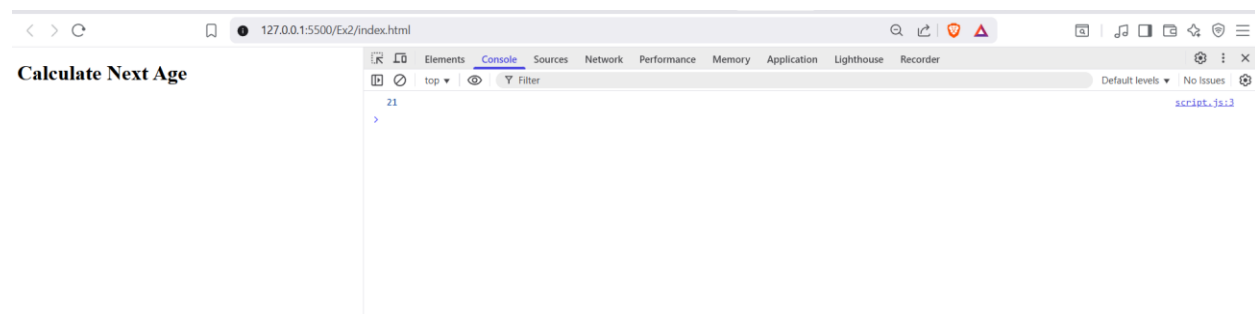
Exercise 1: Declaring Variables

Declare a variable name with the value "Van Lang IT" and log it to the console.



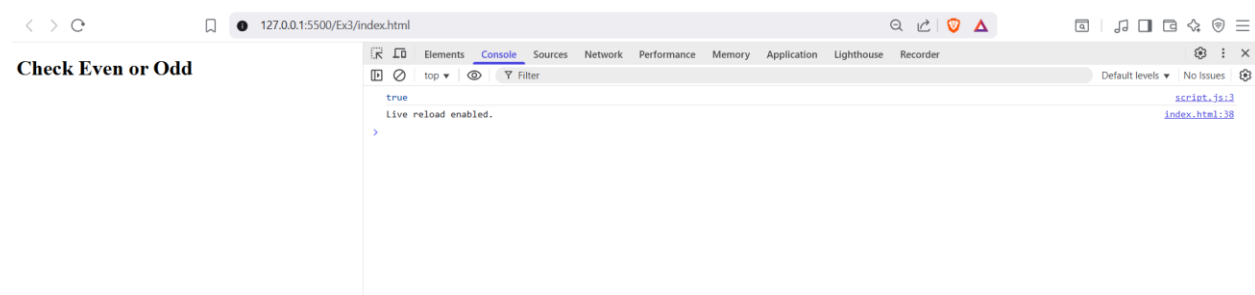
Exercise 2: Using Arithmetic Operators

Create a variable nextAge that stores the next age based on the given age. For example, if age = 20, then nextAge = 21.



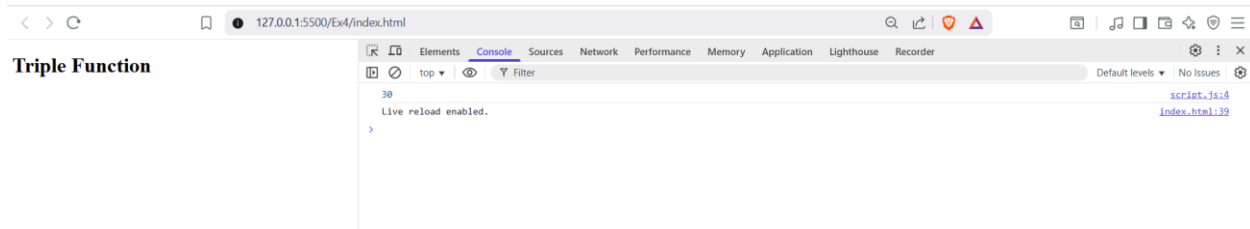
Exercise 3: Using Comparison Operators

Check if a number is even or odd using the modulo operator and log the result (true for odd, false for even).



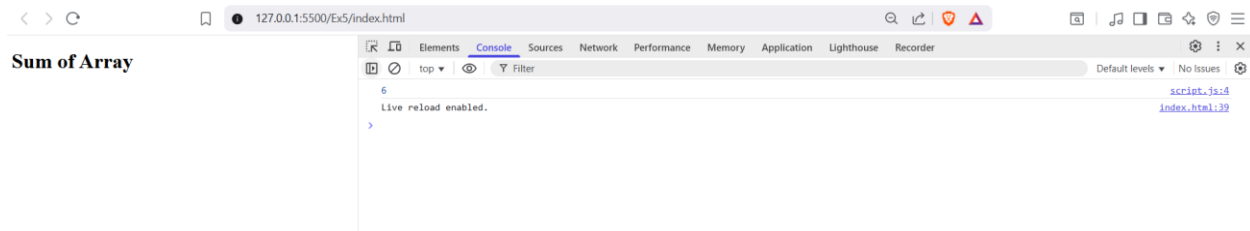
Exercise 4: Creating Functions

Create a function triple that takes a parameter x and returns its value multiplied by 3.



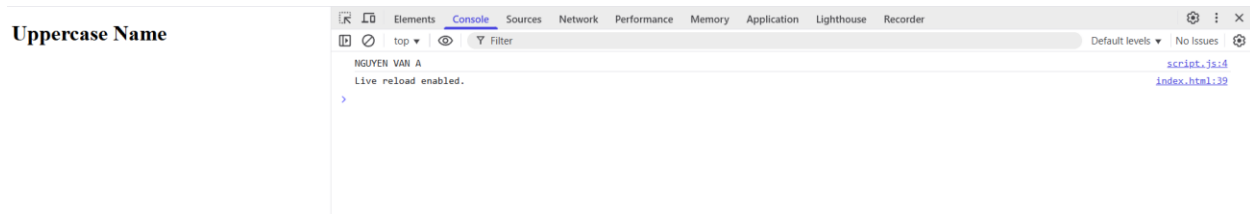
Exercise 5: Working with Arrays

Create a function `sumArray` that takes an array of numbers and returns their sum.



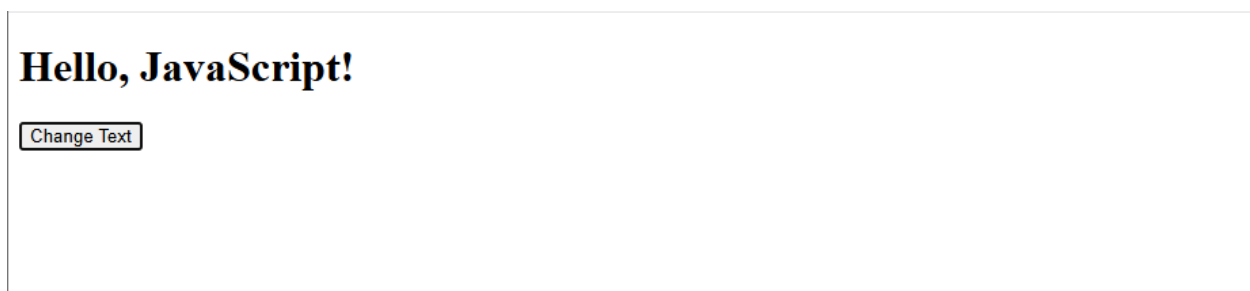
Exercise 6: String Manipulation

Create a function `toUpperCaseName` that converts a given name to uppercase.



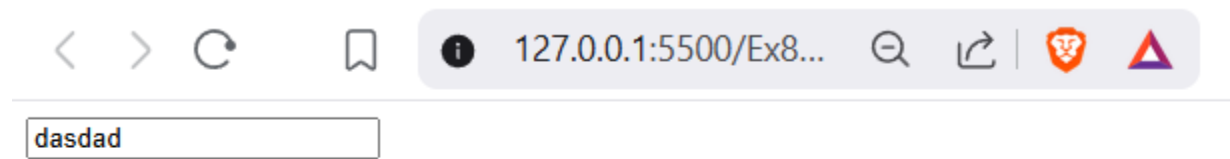
Exercise 7: DOM Manipulation

Change the text of an element to "Hello, JavaScript!" when a button is clicked.



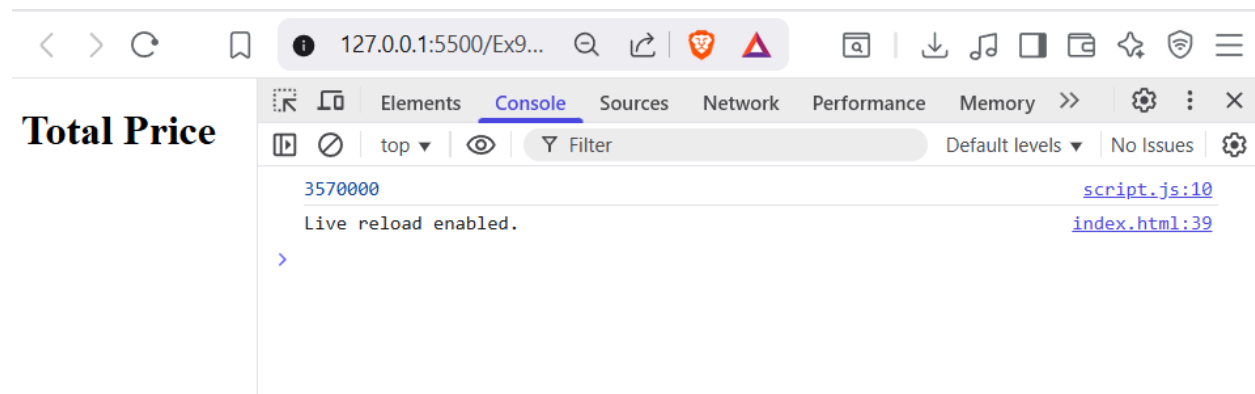
Exercise 8: Event Handling

Create an input field that logs its value to the console whenever the user types.



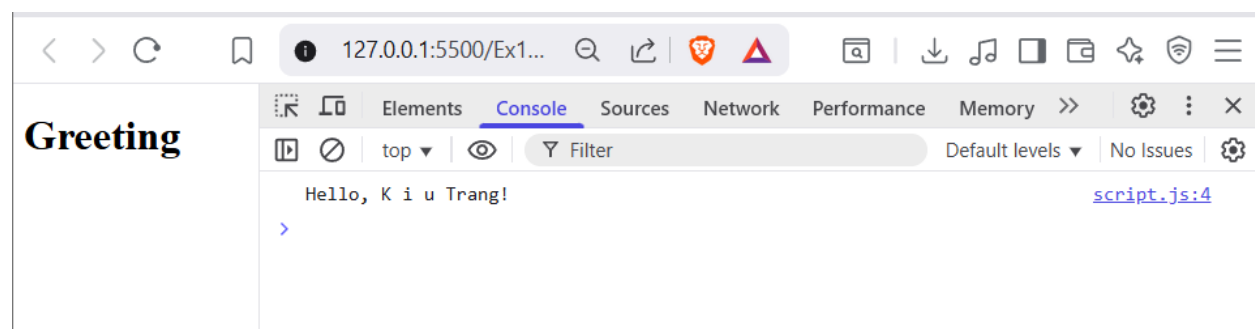
Exercise 9: Working with Objects

Calculate the total price of items in an array of objects, where each object has a price property.



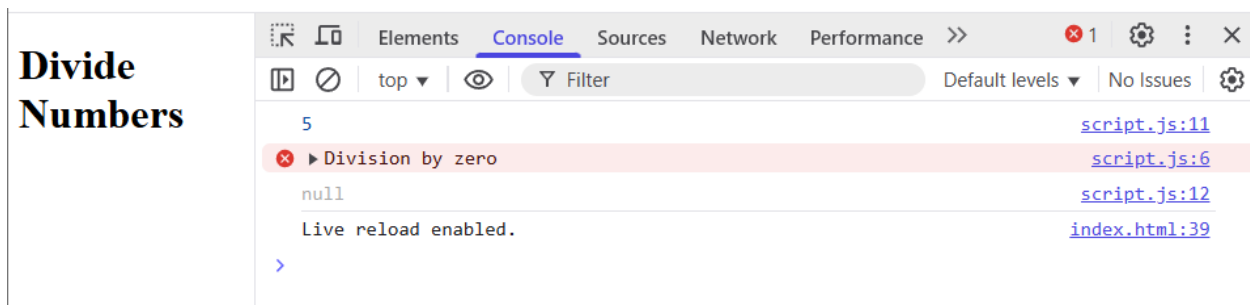
Exercise 10: Using ES6+ Features

Use template literals and destructuring to create a greeting message from an object.



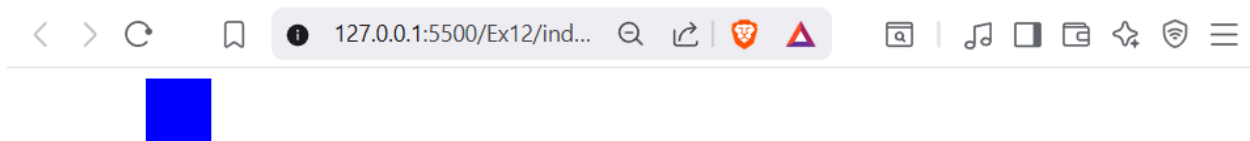
Exercise 11: Error Handling

Create a function that divides two numbers and handles division by zero with try/catch.



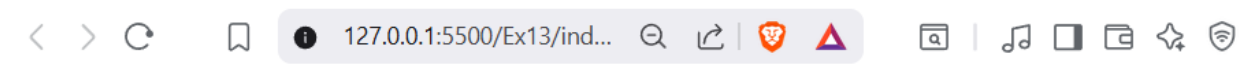
Exercise 12: Simple Animation

Create a box that moves 100px to the right over 2 seconds using setInterval.



Exercise 13: Asynchronous JavaScript

Fetch data from a public API (JSONPlaceholder) and display user names in a list.



User List

- Leanne Graham
- Ervin Howell
- Clementine Bauch
- Patricia Lebsack
- Chelsey Dietrich
- Mrs. Dennis Schulist
- Kurtis Weissnat
- Nicholas Runolfsdottir V
- Glenna Reichert
- Clementina DuBuque

Exercise 14: Form Validation

Create a registration form that validates email and password inputs. Display error messages if:

- Email is empty or does not contain @.

- Password is empty or less than 6 characters.
-

Register

Email:

Invalid email format

Password:

Exercise 15: Dynamic Content Rendering

Create a simple to do list where users can add tasks via an input field. Display the tasks in a list and allow deletion of tasks.

Todo List

- dasd [Delete](#)
- dasda [Delete](#)
- dagagag [Delete](#)

Exercise 16: Using localStorage

Extend the to do list from Exercise 15 to save tasks to localStorage so they persist after page reload.

Persistent Todo List

- JavaScript Delete

Exercise 17: Drag-and-Drop

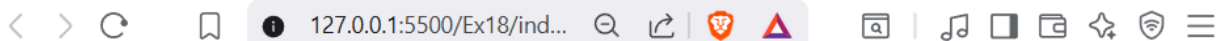
Implement a drag-and-drop feature to reorder tasks in the to do list from Exercise 15.

Drag-and-Drop Todo List

- dadada

Exercise 18: Real-Time Clock with API

Create a digital clock that displays the current time, updated every second, using the browser's Date object.



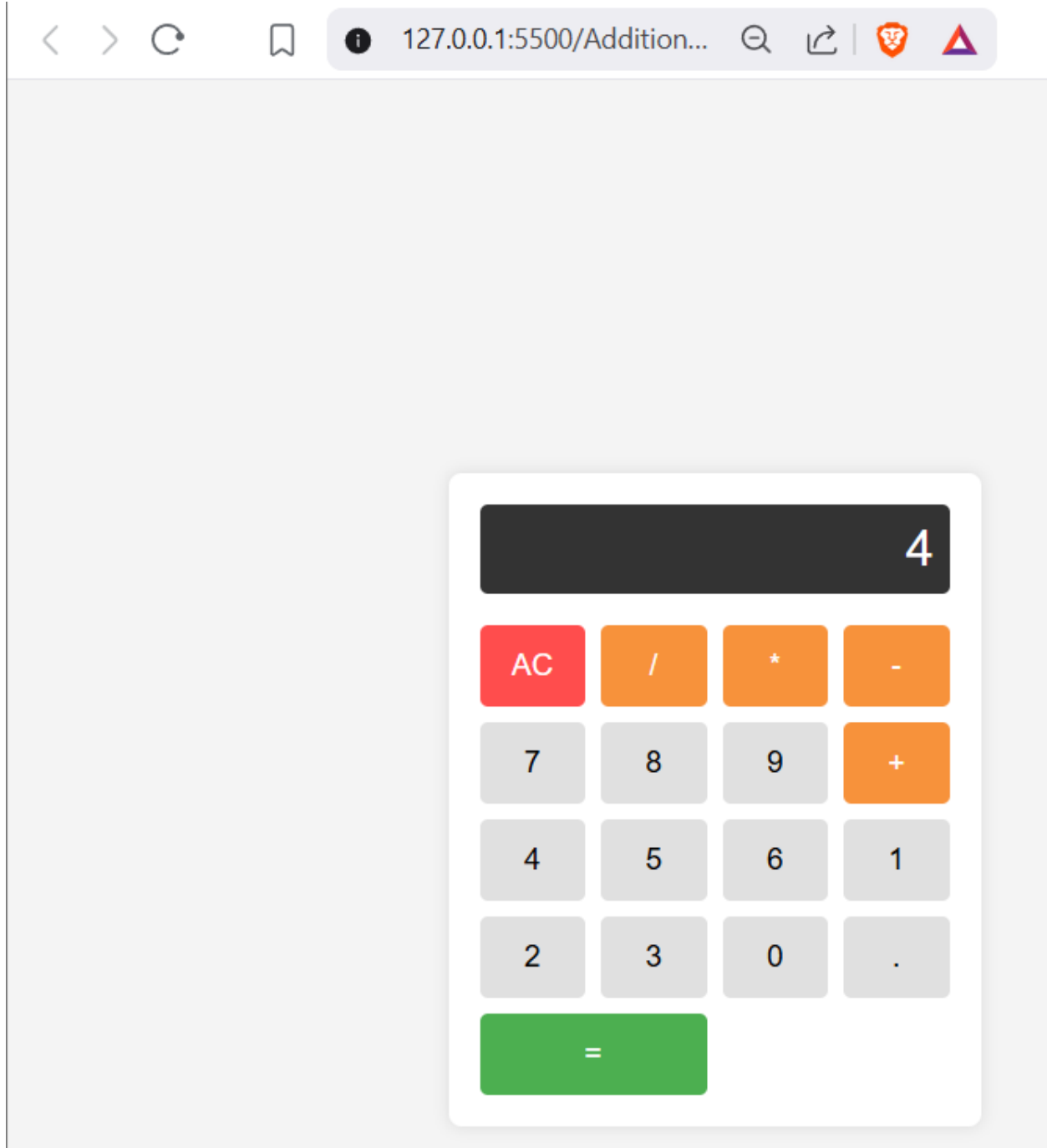
Digital Clock

08:35:36

Additional Exercises

- Build a simple calculator with addition, subtraction, multiplication, and division.

- Create a slideshow that changes images every 3 seconds with next/previous buttons.
- Implement a shopping cart that allows adding/removing items and calculates the total price.



- Develop a quiz application with multiple-choice questions and a score tracker.

127.0.0.1:5500/Addition...

Simple Quiz

What is the largest ocean on Earth?

☒ Atlantic Ocean

☐ Indian Ocean

☐ Arctic Ocean

☐ Pacific Ocean

Incorrect! The correct answer was: Pacific Ocean