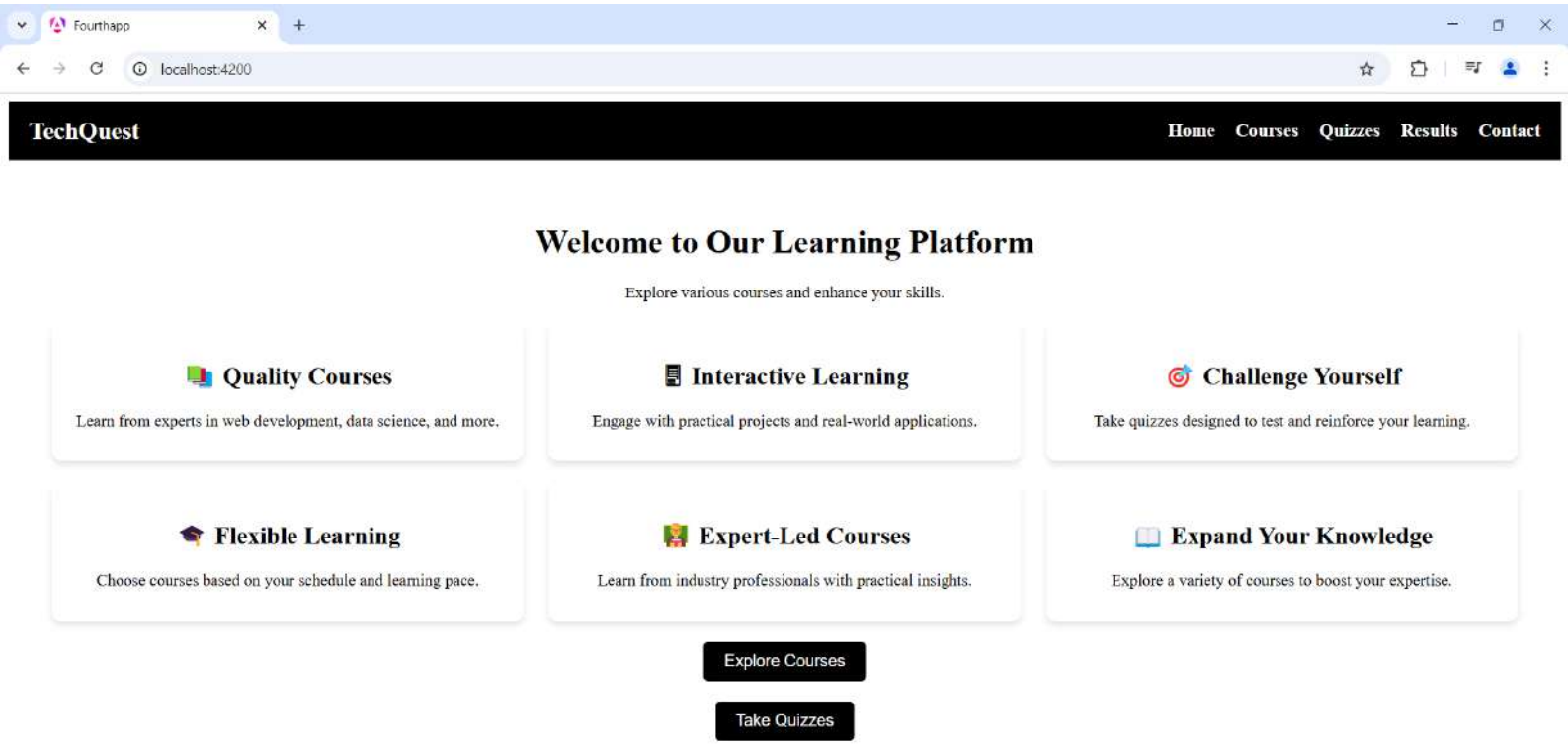
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Welcome to Our Learning Platform
Explore various courses and enhance your skills.
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Learn from experts in web development, data science, and more.
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Engage with practical projects and real-world applications.
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Take quizzes designed to test and reinforce your learning.
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Choose courses based on your schedule and learning pace.
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Learn from industry professionals with practical insights.
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Explore a variety of courses to boost your expertise.
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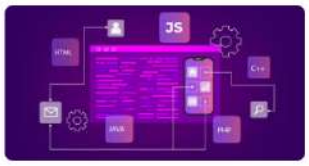
Level: All Duration: All

Available Courses



Web Development Basics

Learn the fundamentals of web development.

Level: Beginner

Duration: Less Than 2 Hours

View Course

Advanced JavaScript

Deep dive into JS concepts and best practices.

Level: Advanced

Duration: 2 Weeks

View Course

Python for Data Science

Explore data science using Python.

Level: Intermediate

Duration: 1 Week

View Course

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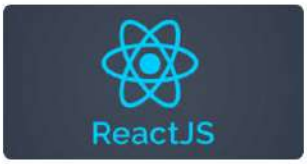
Machine Learning Basics

Introduction to machine learning concepts.

Level: Advanced

Duration: 1 Month

View Course



React.js for Beginners

Learn to build modern web apps with React.

Level: Beginner

Duration: 1 Week

View Course

Node.js & Express

Backend development using Node.js and Express.

Level: Intermediate

Duration: 2 Weeks

View Course

Full-Stack Development

Complete guide to full-stack web development.

Level: Advanced

Duration: 2 Weeks

Cybersecurity Fundamentals

Learn the basics of cybersecurity.

Level: Beginner

Duration: Less Than 2 Hours

Cloud Computing

Introduction to cloud services and deployment.

Level: Intermediate

Duration: 2 Weeks

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Complete guide to full-stack web development.

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Duration: Less Than 2 Hours

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Cloud Computing

Introduction to cloud services and deployment.

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Duration: 2 Weeks

View Course

Blockchain Essentials

Learn the fundamentals of blockchain technology.

Level: Advanced

Duration: 1 Month

View Course

DevOps and CI/CD

Learn DevOps practices and CI/CD automation.

Level: Intermediate

Duration: 1 Week

View Course

Internet of Things (IoT)

Learn how IoT devices communicate and interact.

Level: Beginner

Duration: 1 Week

View Course

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TechQuest Home Courses Quizzes Results Contact

Level: Beginner Duration: Less Than 2 Hours

Available Courses

Web Development Basics

Learn the fundamentals of web development.

Level: Beginner

Duration: Less Than 2 Hours

View Course

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View Course

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TechQuest Home Courses Quizzes Results Contact

Level: Beginner Duration: 1 Week

Available Courses

React.js for Beginners

Learn to build modern web apps with React.

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View Course

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Learn how IoT devices communicate and interact.

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Duration: 1 Week

View Course

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TechQuest Home Courses Quizzes Results Contact

Level: Intermediate Duration: 1 Week

Available Courses

Python for Data Science

Explore data science using Python.

Level: Intermediate

Duration: 1 Week

View Course

DevOps and CI/CD

Learn DevOps practices and CI/CD automation.

Level: Intermediate

Duration: 1 Week

View Course

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TechQuest Home Courses Quizzes Results Contact

Level: Intermediate Duration: 2 Weeks

Available Courses

Node.js & Express

Backend development using Node.js and Express.

Level: Intermediate

Duration: 2 Weeks

View Course

Cloud Computing

Introduction to cloud services and deployment.

Level: Intermediate

Duration: 2 Weeks

View Course

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Level: Advanced Duration: 2 Weeks

Available Courses

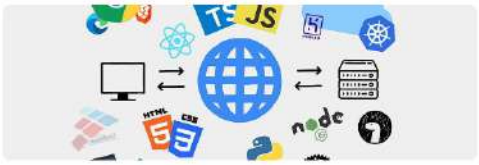
Advanced JavaScript

Deep dive into JS concepts and best practices.

Level: Advanced

Duration: 2 Weeks

View Course



Full-Stack Development

Complete guide to full-stack web development.

Level: Advanced

Duration: 2 Weeks

View Course

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TechQuest Home Courses Quizzes Results Contact

Level: Advanced Duration: 1 Month

Available Courses

Machine Learning Basics

Introduction to machine learning concepts.

Level: Advanced

Duration: 1 Month

View Course

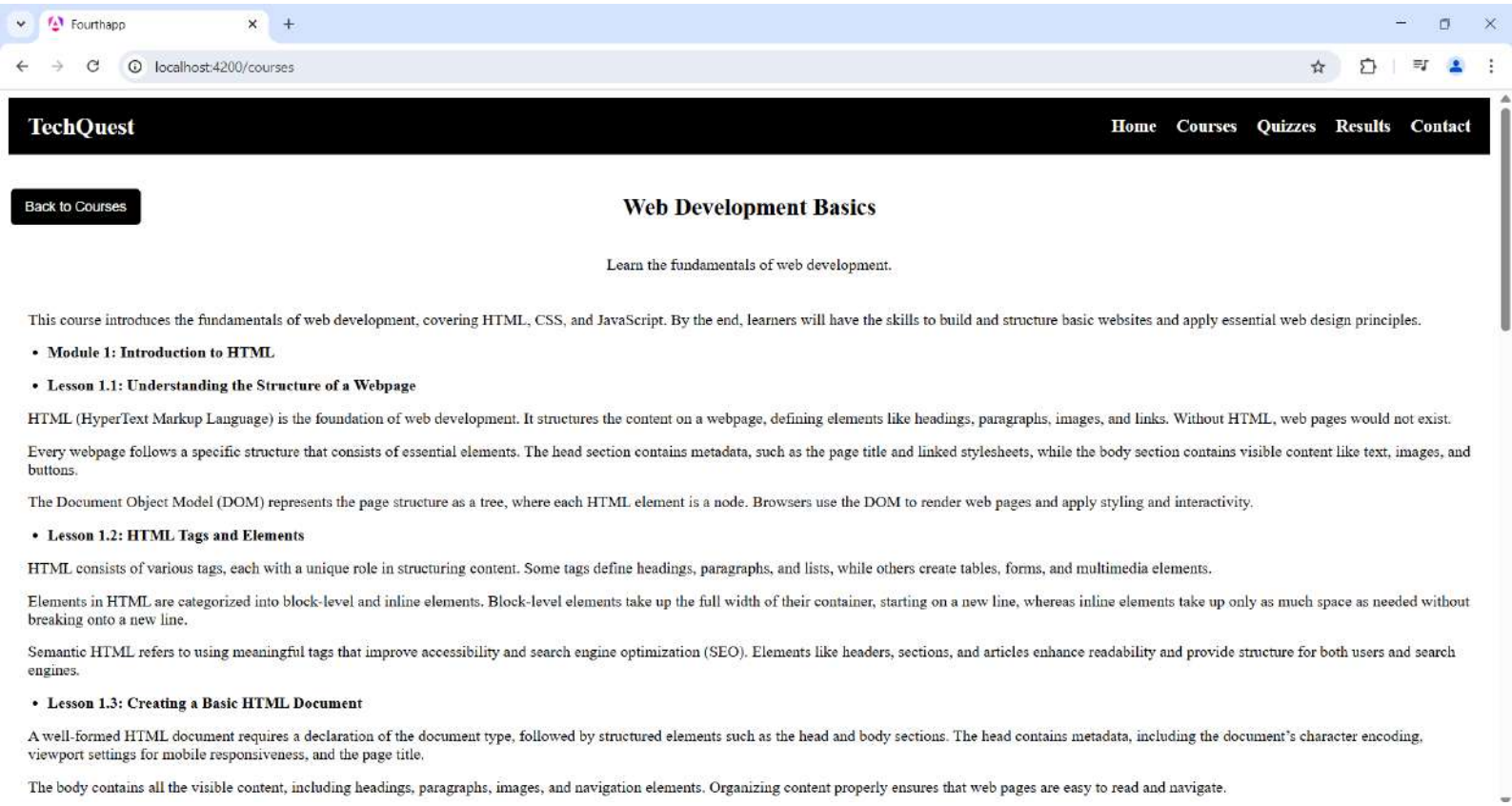
Blockchain Essentials

Learn the fundamentals of blockchain technology.

Level: Advanced

Duration: 1 Month

View Course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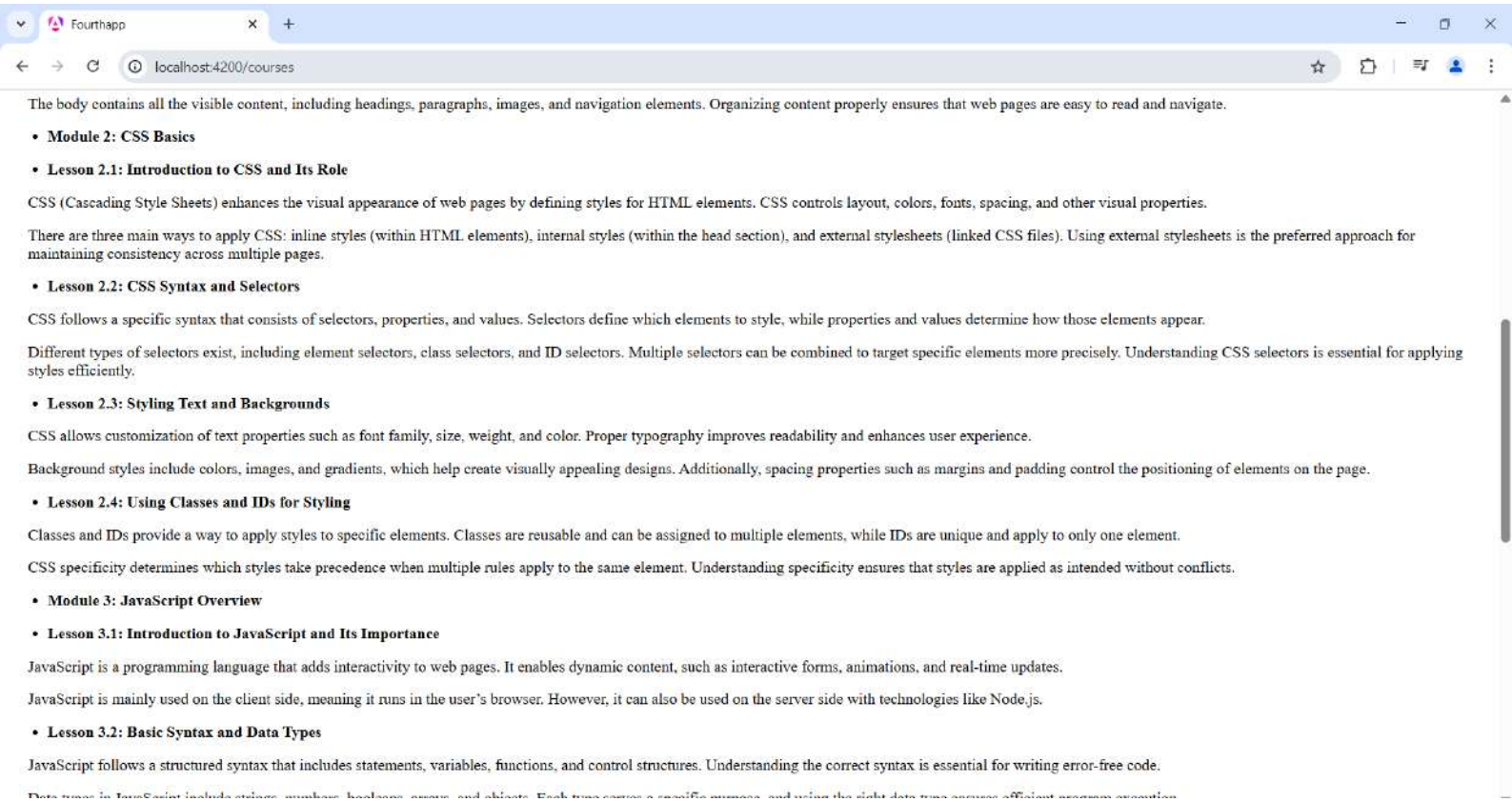
Back to Courses
Web Development Basics
Learn the fundamentals of web development.
This course introduces the fundamentals of web development, covering HTML, CSS, and JavaScript. By the end, learners will have the skills to build and structure basic websites and apply essential web design principles.
• Module 1: Introduction to HTML
• Lesson 1.1: Understanding the Structure of a Webpage
HTML (HyperText Markup Language) is the foundation of web development. It structures the content on a webpage, defining elements like headings, paragraphs, images, and links. Without HTML, web pages would not exist.
Every webpage follows a specific structure that consists of essential elements. The head section contains metadata, such as the page title and linked stylesheets, while the body section contains visible content like text, images, and buttons.
The Document Object Model (DOM) represents the page structure as a tree, where each HTML element is a node. Browsers use the DOM to render web pages and apply styling and interactivity.
• Lesson 1.2: HTML Tags and Elements
HTML consists of various tags, each with a unique role in structuring content. Some tags define headings, paragraphs, and lists, while others create tables, forms, and multimedia elements.
Elements in HTML are categorized into block-level and inline elements. Block-level elements take up the full width of their container, starting on a new line, whereas inline elements take up only as much space as needed without breaking onto a new line.
Semantic HTML refers to using meaningful tags that improve accessibility and search engine optimization (SEO). Elements like headers, sections, and articles enhance readability and provide structure for both users and search engines.
• Lesson 1.3: Creating a Basic HTML Document
A well-formed HTML document requires a declaration of the document type, followed by structured elements such as the head and body sections. The head contains metadata, including the document's character encoding, viewport settings for mobile responsiveness, and the page title.
The body contains all the visible content, including headings, paragraphs, images, and navigation elements. Organizing content properly ensures that web pages are easy to read and navigate.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The body contains all the visible content, including headings, paragraphs, images, and navigation elements. Organizing content properly ensures that web pages are easy to read and navigate.
• Module 2: CSS Basics
• Lesson 2.1: Introduction to CSS and Its Role
CSS (Cascading Style Sheets) enhances the visual appearance of web pages by defining styles for HTML elements. CSS controls layout, colors, fonts, spacing, and other visual properties.
There are three main ways to apply CSS: inline styles (within HTML elements), internal styles (within the head section), and external stylesheets (linked CSS files). Using external stylesheets is the preferred approach for maintaining consistency across multiple pages.
• Lesson 2.2: CSS Syntax and Selectors
CSS follows a specific syntax that consists of selectors, properties, and values. Selectors define which elements to style, while properties and values determine how those elements appear.
Different types of selectors exist, including element selectors, class selectors, and ID selectors. Multiple selectors can be combined to target specific elements more precisely. Understanding CSS selectors is essential for applying styles efficiently.
• Lesson 2.3: Styling Text and Backgrounds
CSS allows customization of text properties such as font family, size, weight, and color. Proper typography improves readability and enhances user experience.
Background styles include colors, images, and gradients, which help create visually appealing designs. Additionally, spacing properties such as margins and padding control the positioning of elements on the page.
• Lesson 2.4: Using Classes and IDs for Styling
Classes and IDs provide a way to apply styles to specific elements. Classes are reusable and can be assigned to multiple elements, while IDs are unique and apply to only one element.
CSS specificity determines which styles take precedence when multiple rules apply to the same element. Understanding specificity ensures that styles are applied as intended without conflicts.
• Module 3: JavaScript Overview
• Lesson 3.1: Introduction to JavaScript and Its Importance
JavaScript is a programming language that adds interactivity to web pages. It enables dynamic content, such as interactive forms, animations, and real-time updates.
JavaScript is mainly used on the client side, meaning it runs in the user's browser. However, it can also be used on the server side with technologies like Node.js.
• Lesson 3.2: Basic Syntax and Data Types
JavaScript follows a structured syntax that includes statements, variables, functions, and control structures. Understanding the correct syntax is essential for writing error-free code.

Data types in JavaScript include strings, numbers, booleans, arrays, and objects. Each type serves a specific purpose, and using the right data type ensures efficient program execution.

- **Lesson 3.3: Variables and Operators**

Variables store data and can be declared using different keywords, such as var, let, and const. Choosing the right variable type is important for code performance and readability.

Operators perform calculations and comparisons in JavaScript. Arithmetic operators handle mathematical operations, comparison operators compare values, and logical operators evaluate conditions.

- **Lesson 3.4: Writing Simple JavaScript Programs**

JavaScript enables interactivity by manipulating the DOM. Event listeners allow elements to respond to user actions, such as clicks and key presses.

By combining JavaScript with HTML and CSS, developers can create engaging web pages with dynamic elements, such as dropdown menus, image sliders, and form validations.

- **Module 4: Building a Simple Website**
- **Lesson 4.1: Combining HTML, CSS, and JavaScript**

A well-structured website integrates HTML for content, CSS for styling, and JavaScript for interactivity. Understanding how these technologies work together is crucial for creating functional web pages.

HTML provides the content structure, CSS enhances the visual presentation, and JavaScript enables interactive elements like buttons, animations, and real-time updates.

- **Lesson 4.2: Creating a Multi-Page Website**

Websites often consist of multiple pages linked together. Navigation elements, such as menus and buttons, allow users to move between different sections.

Each page should follow a consistent structure and design to ensure a smooth user experience. Proper navigation improves usability and accessibility.

- **Lesson 4.3: Adding Navigation and Links**

Navigation bars organize links to different pages, helping users explore the site easily. Links can be internal (within the same site) or external (leading to other websites).

Well-designed navigation enhances the user experience by providing clear pathways to important content. Using semantic HTML elements, such as lists and nav tags, improves accessibility.

- **Lesson 4.4: Basic Web Design Principles**

Effective web design focuses on layout, color schemes, typography, and accessibility. A well-structured page layout ensures content is easy to read and navigate.

Color schemes influence user perception and brand identity, while typography affects readability and aesthetic appeal. Accessibility features, such as alternative text for images and keyboard navigation, ensure inclusivity for all users.

- **Final Project: Building Your First Website**

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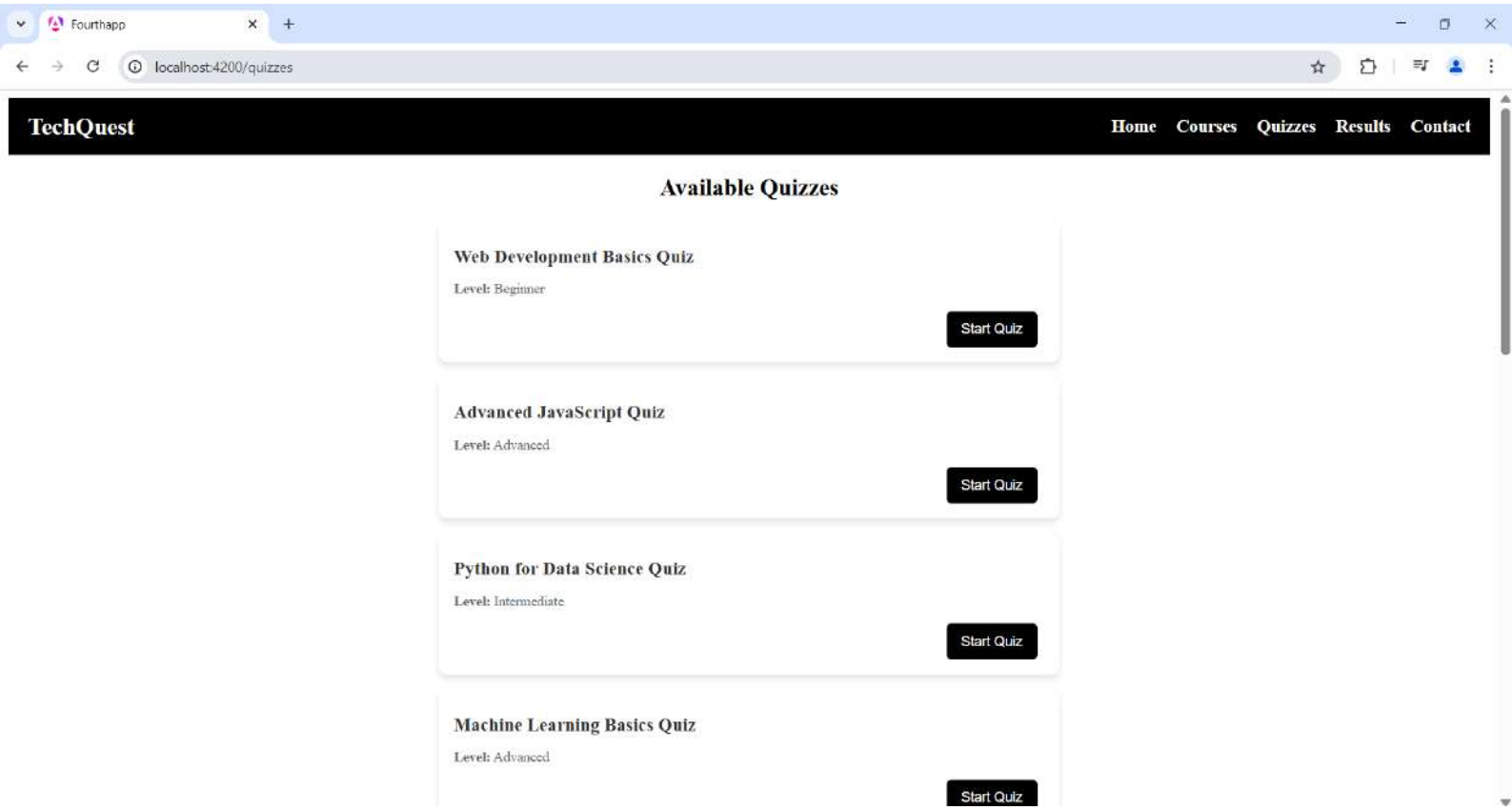
- **Final Project: Building Your First Website**

The final project involves creating a complete website using the skills learned throughout the course. This project allows learners to apply their knowledge in a practical setting.

The project should include multiple pages, a navigation menu, styled content, and basic interactive features. By receiving feedback, learners can refine their work and improve their web development skills.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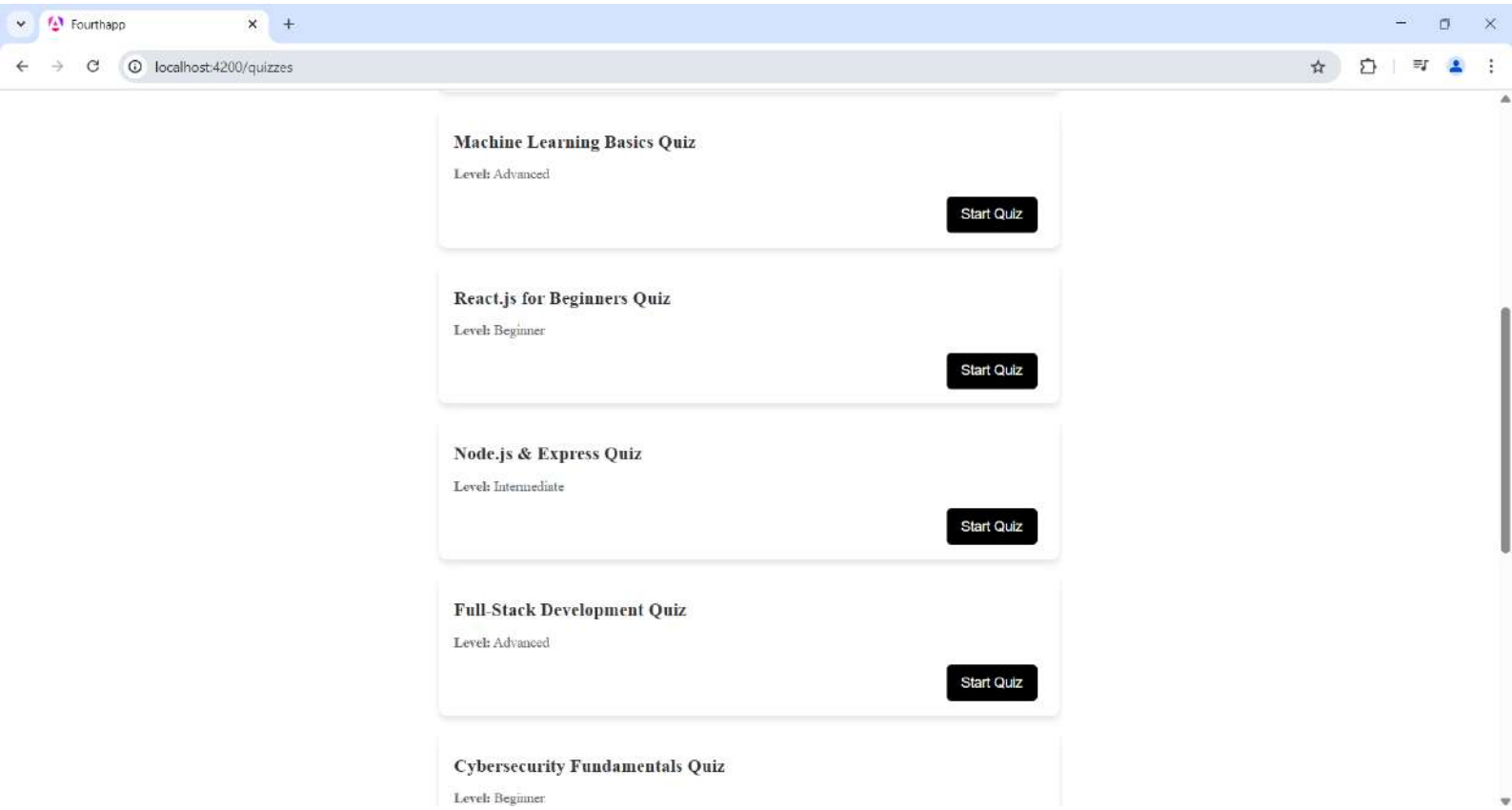
Available Quizzes
Web Development Basics Quiz
Level: Beginner
Start Quiz
Advanced JavaScript Quiz
Level: Advanced
Start Quiz
Python for Data Science Quiz
Level: Intermediate
Start Quiz
Machine Learning Basics Quiz
Level: Advanced
Start Quiz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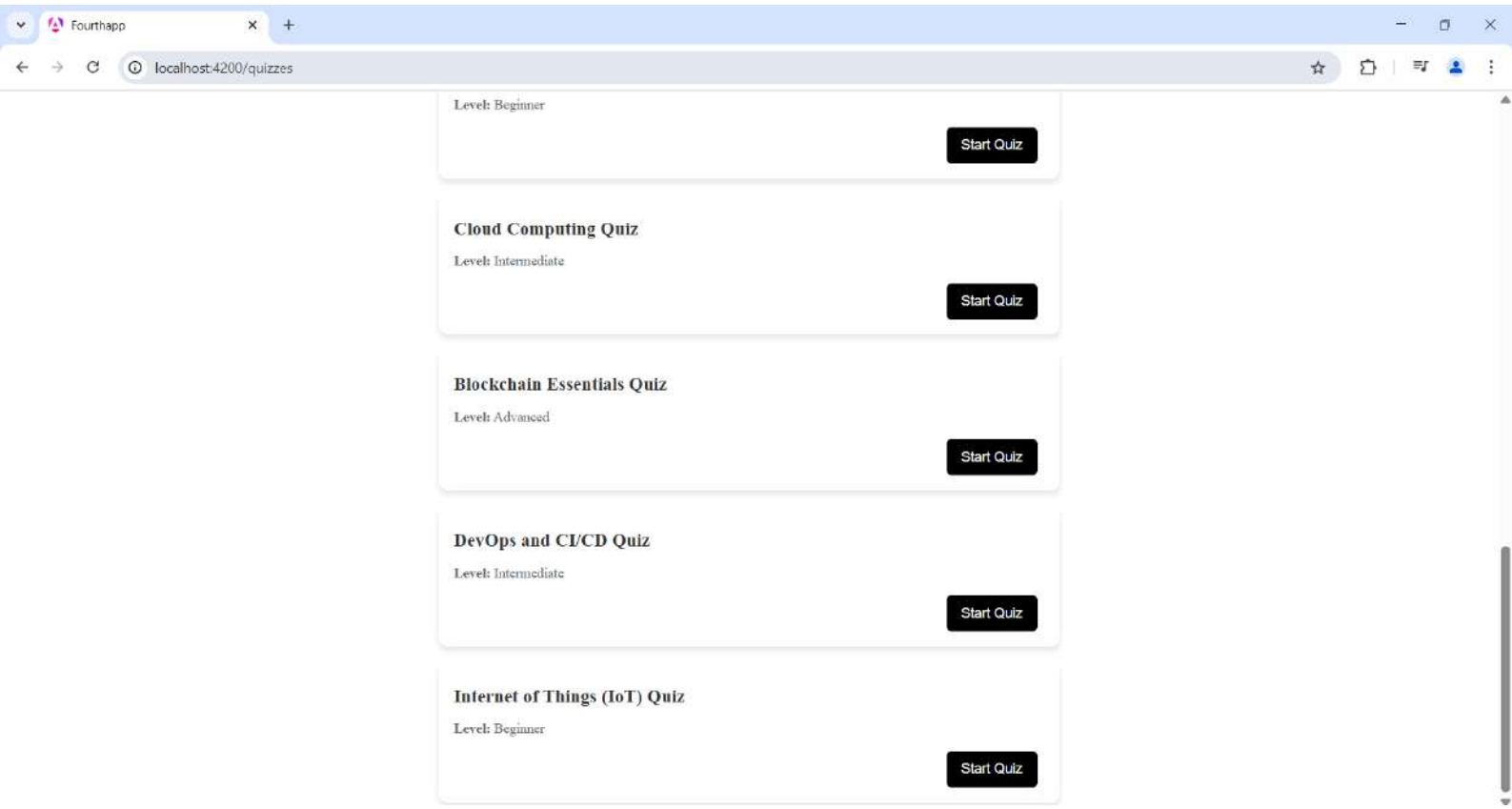
localhost:4200/quizzes
Machine Learning Basics Quiz
Level: Advanced
Start Quiz
React.js for Beginners Quiz
Level: Beginner
Start Quiz
Node.js & Express Quiz
Level: Intermediate
Start Quiz
Full-Stack Development Quiz
Level: Advanced
Start Quiz
Cybersecurity Fundamentals Quiz
Level: Beginner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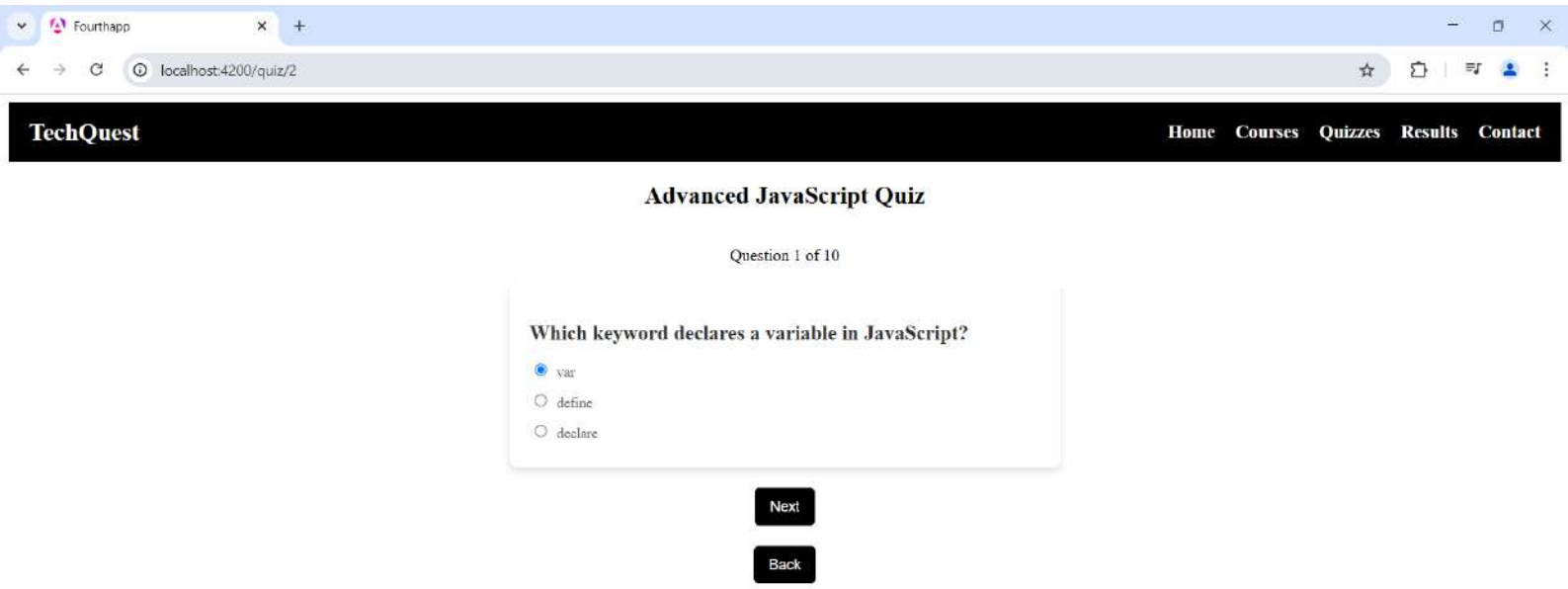
Level: Beginner
Start Quiz
Cloud Computing Quiz
Level: Intermediate
Start Quiz
Blockchain Essentials Quiz
Level: Advanced
Start Quiz
DevOps and CI/CD Quiz
Level: Intermediate
Start Quiz
Internet of Things (IoT) Quiz
Level: Beginner
Start Quiz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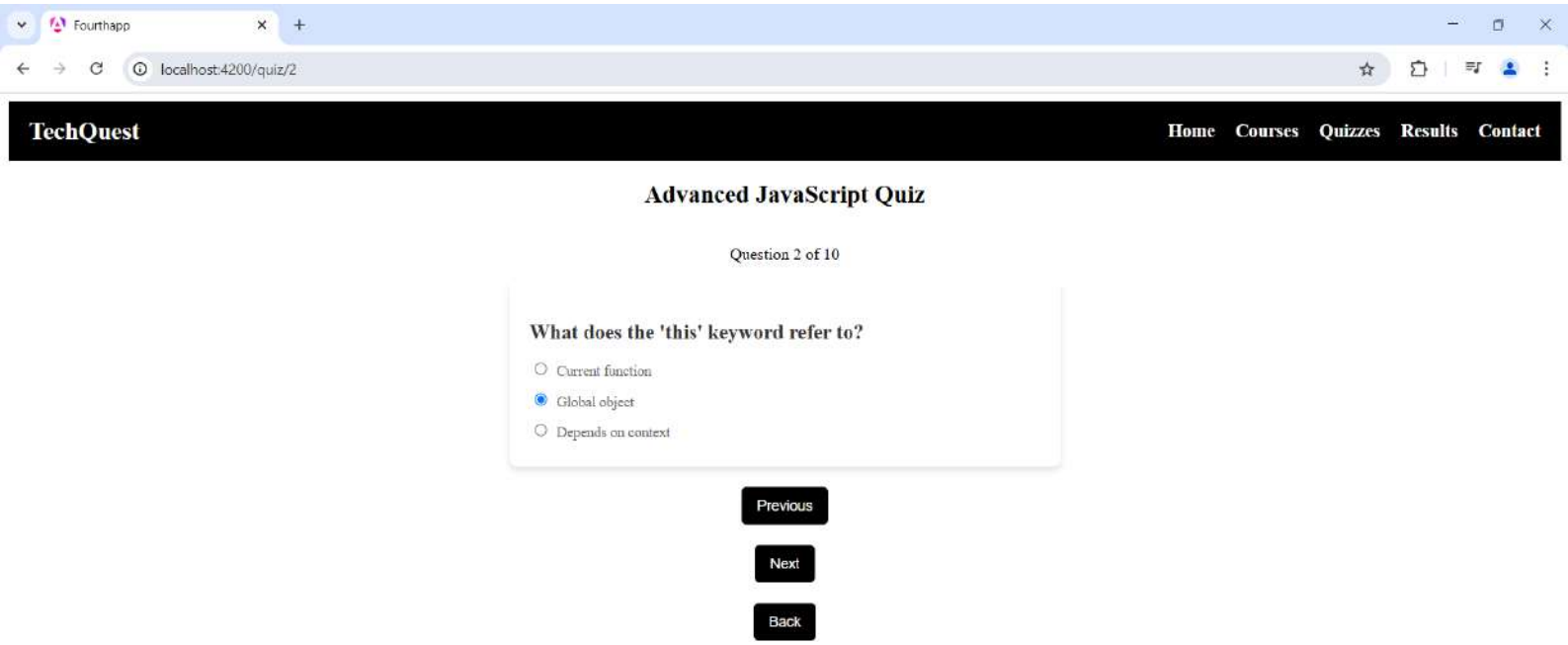
Advanced JavaScript Quiz
Question 1 of 10
Which keyword declares a variable in JavaScript?
var
define
declare
Next
Back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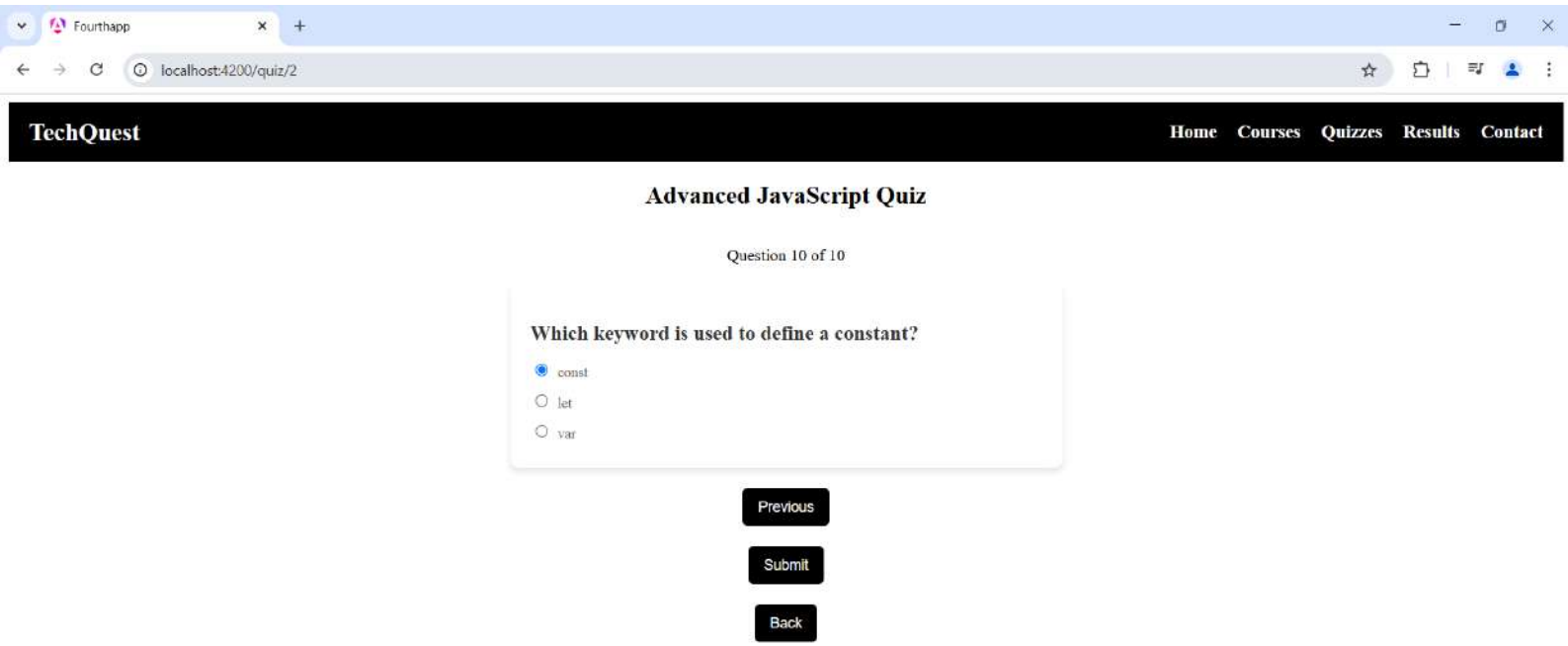
Advanced JavaScript Quiz
Question 2 of 10
What does the 'this' keyword refer to?
Current function
Global object
Depends on context
Previous
Next
Back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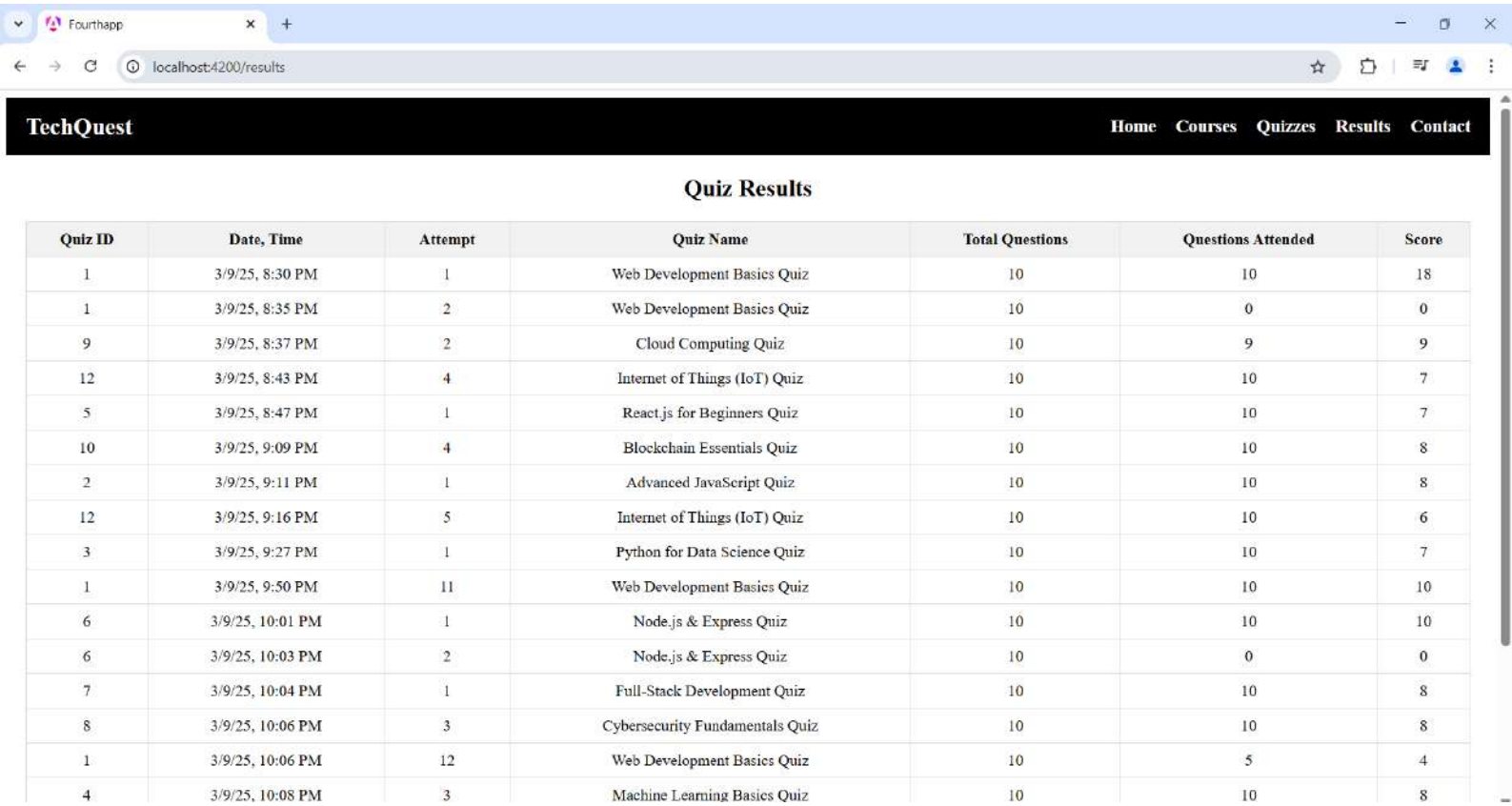
Advanced JavaScript Quiz
Question 10 of 10
Which keyword is used to define a constant?
const
let
var
Previous
Submit
Back



Quiz Results

Quiz ID	Date, Time	Attempt	Quiz Name	Total Questions	Questions Attended	Score
1	3/9/25, 8:30 PM	1	Web Development Basics Quiz	10	10	18
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9	3/9/25, 8:37 PM	2	Cloud Computing Quiz	10	9	9
12	3/9/25, 8:43 PM	4	Internet of Things (IoT) Quiz	10	10	7
5	3/9/25, 8:47 PM	1	React.js for Beginners Quiz	10	10	7
10	3/9/25, 9:09 PM	4	Blockchain Essentials Quiz	10	10	8
2	3/9/25, 9:11 PM	1	Advanced JavaScript Quiz	10	10	8
12	3/9/25, 9:16 PM	5	Internet of Things (IoT) Quiz	10	10	6
3	3/9/25, 9:27 PM	1	Python for Data Science Quiz	10	10	7
1	3/9/25, 9:50 PM	11	Web Development Basics Quiz	10	10	10
6	3/9/25, 10:01 PM	1	Node.js & Express Quiz	10	10	10
6	3/9/25, 10:03 PM	2	Node.js & Express Quiz	10	0	0
7	3/9/25, 10:04 PM	1	Full-Stack Development Quiz	10	10	8
8	3/9/25, 10:06 PM	3	Cybersecurity Fundamentals Quiz	10	10	8
1	3/9/25, 10:06 PM	12	Web Development Basics Quiz	10	5	4
4	3/9/25, 10:08 PM	3	Machine Learning Basics Quiz	10	10	8

1	3/9/25, 8:35 PM	2	Web Development Basics Quiz	10	0	0
9	3/9/25, 8:37 PM	2	Cloud Computing Quiz	10	9	9
12	3/9/25, 8:43 PM	4	Internet of Things (IoT) Quiz	10	10	7
5	3/9/25, 8:47 PM	1	React.js for Beginners Quiz	10	10	7
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6	3/9/25, 10:01 PM	1	Node.js & Express Quiz	10	10	10
6	3/9/25, 10:03 PM	2	Node.js & Express Quiz	10	0	0
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8	3/9/25, 10:06 PM	3	Cybersecurity Fundamentals Quiz	10	10	8
1	3/9/25, 10:06 PM	12	Web Development Basics Quiz	10	5	4
4	3/9/25, 10:08 PM	3	Machine Learning Basics Quiz	10	10	8
11	3/9/25, 10:15 PM	2	DevOps and CI/CD Quiz	10	10	10
4	3/10/25, 9:08 AM	4	Machine Learning Basics Quiz	10	10	7
1	3/10/25, 10:53 AM	13	Web Development Basics Quiz	10	10	10
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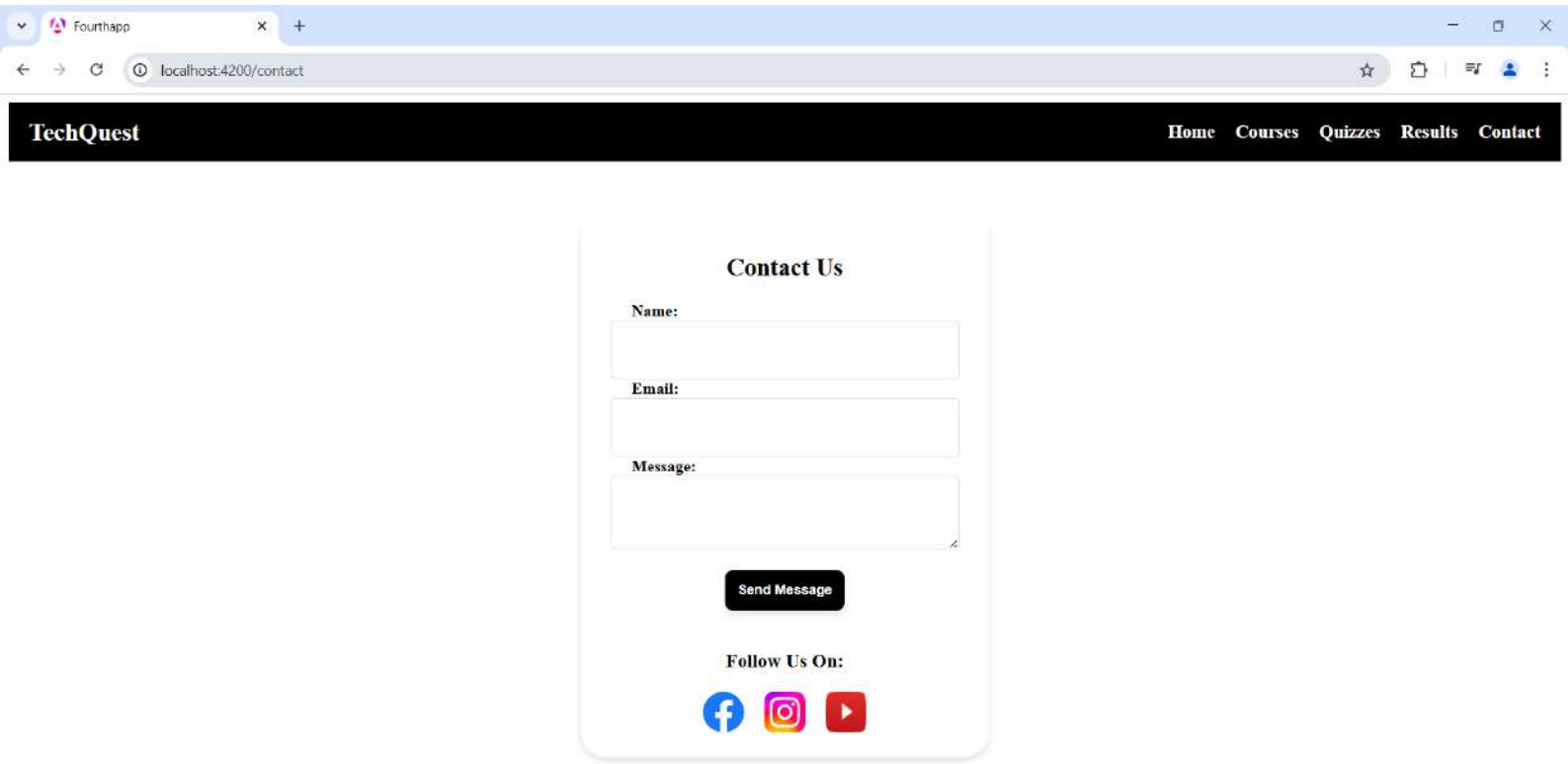
2	3/12/25, 9:33 PM	7	Advanced JavaScript Quiz	10	1	1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Message:
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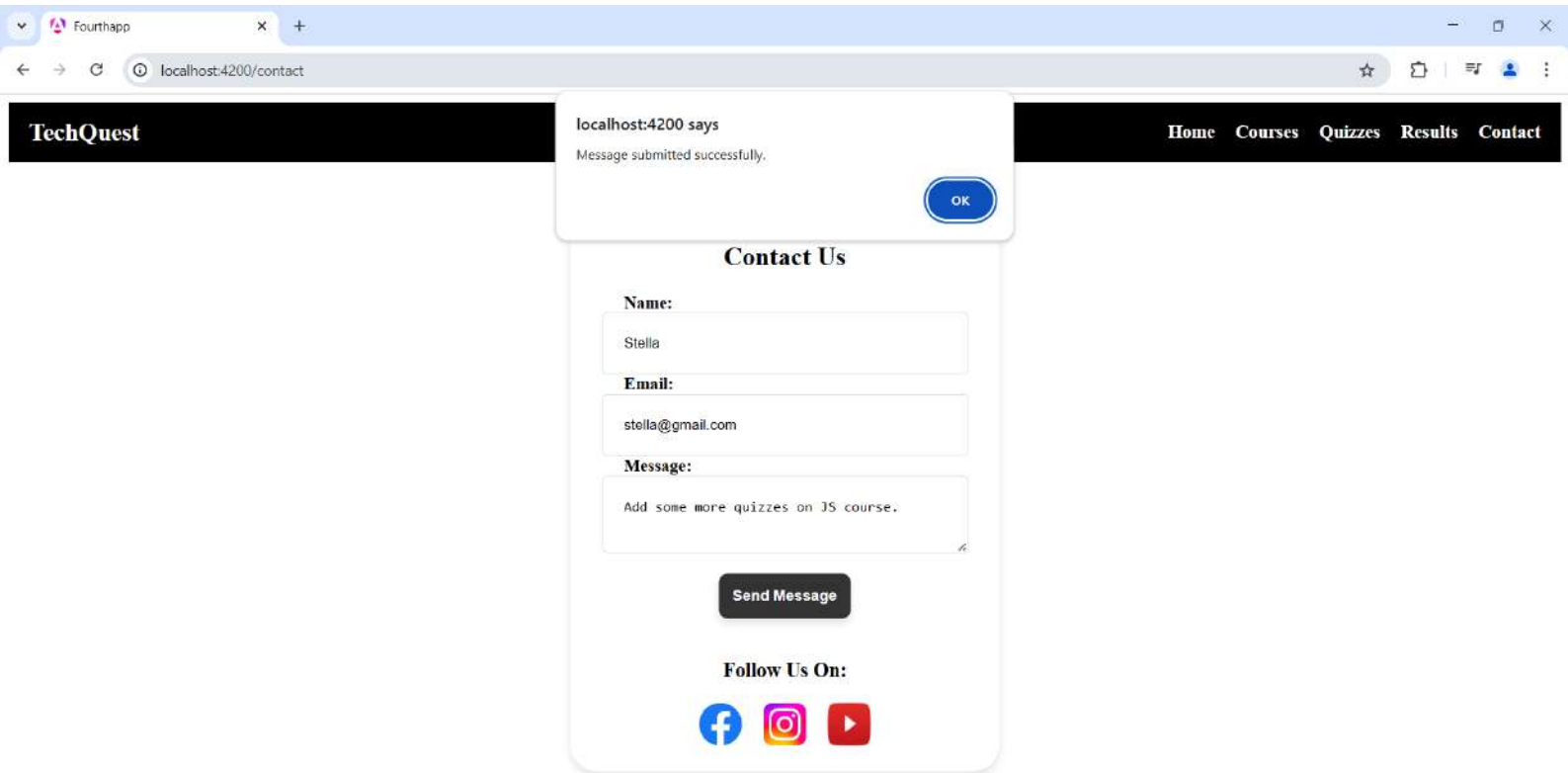
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localhost:4200 says
Message submitted successfully.
OK
Contact Us
Name:
Stella
Email:
stella@gmail.com
Message:
Add some more quizzes on JS course.
Send Message
Follow Us On: