

# Module 3: Introduction to JavaScript

## Glossary

Below are some important terms to know for this module. Keep this list at hand as you work through the exercises.

### **application**

A larger, stand-alone software program made of smaller scripts working together

### **Array (data type)**

An ordered collection of values indexed by numbers (zero-based)

### **async**

An attribute that allows a script to be downloaded asynchronously during HTML parsing and executes it immediately after downloading without blocking the other scripts or waiting for the content to load

### **Global scope**

This is a type of variable scope where variables are declared outside of any function or block. They can be accessed from any part of the code.

### **Block scope**

Variables declared using `let` or `const` within curly braces `{}` (e.g., `if` statements, loops) that are accessible only within that block

### **Boolean (data type)**

A JavaScript data type that represents a binary value (true or false)

## **const**

A variable declaration keyword that has a block scope, which must be initialized with a value and cannot be reassigned

## **defer**

An attribute that allows a script to be downloaded parallelly during HTML parsing and executes it after loading the HTML file.

## **document.ready()**

A function that ensures the page's DOM is fully loaded and ready to be manipulated with JavaScript

## **Function scope**

Variables declared using var inside a function that are accessible only within that specific function

## **Global scope**

Variables declared outside of any function or block that are accessible from anywhere within the script

## **Global variable**

A variable declared outside of a function, making it accessible globally

## **Key-value pair**

A data unit made of two related data elements

## **let**

A variable declaration keyword that has a block scope and can be reassigned but not redeclared

## **Null**

A value that represents nothing, usually held by a variable that would eventually get some other data into it

## **Number (data type)**

A JavaScript data type that represents integers and floating-point numbers

## **Object (data type)**

A collection of key-value pairs where keys can be used to access their values from the object

## **Script**

A smaller, specialized program written in scripting languages that is used to automate tasks or perform specific operations within other software environments

## **String (data type)**

A JavaScript data type that represents a sequence of characters enclosed in single (') or double (") quotes

## **Undefined (data type)**

A variable that has not been defined

## **var**

A variable declaration keyword that has function scope and can be redeclared and reassigned

## **Variable inside a function**

A variable is declared within a function, making it local to its scope

