

TOPICS COVERED IN THE JAVASCRIPT ESSENTIALS EXAM

- Basic Structure of Programs
 - Understanding how JavaScript programs are structured
 - Familiarity with syntax, comments, and code organization
- Data Types
 - Mastery of the eight primary data types in JavaScript: number, string, boolean, null, undefined, object, symbol, and bigint
 - Practical application and manipulation of these data types
- Operators
 - Utilization of arithmetic operators for mathematical calculations
 - Application of comparison operators to compare values
 - Usage of logical operators to perform logical operations
 - Implementation of ternary operators for concise conditional expressions
- Variable Declaration
 - Proper use of `var`, `let`, and `const` for declaring variables
 - Understanding the scope and hoisting behavior associated with each declaration type
- Functions
 - Creation and use of regular and arrow functions
 - Understanding the differences and appropriate contexts for each type of function
- Special Values: Null and Undefined
 - Differentiation between null and undefined values
 - Recognizing how and when these values are used in JavaScript