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