# Assignment For Day 21st place medalherb

## ANSWER -1

The lexical structure of a programming language is the set of basic rules that governs how you write programs in that language.

## ANSWER-2

an international encoding standard for use with different languages and scripts, by which each letter, digit, or symbol is assigned a unique numeric value that applies across different platforms and programs.

## ANSWER-3

The keywords in JavaScript are:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| await | break | case | catch | class |
| const | continue | debugger | default | delete |
| do | else | enum | export | extends |
| false | finally | for | function | if |
| implements | import | in | instanceof | interface |
| let | new | null | package | private |
| protected | public | return | super | switch |
| static | this | throw | try | true |
| typeof | var | void | while | with |
| yield |  |  |  |  |

## ANSWER-4

Shorthand Operators are operators that combine one of the arithmetic or bitwise operators with the assignment operator.

**Operator assignment shorthand:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Operator Symbol** | **Name of the operator** | **Example** | **Equivalent construct** |
| **+=** | Addition assignment | x += 4; | x = x + 4; |
| **-=** | Subtraction assignment | x -= 4; | x = x – 4; |
| **\*=** | Multiplication assignment | x \*= 4; | x = x \* 4; |
| **/=** | Division assignment | x /= 4; | x = x / 4; |
| **%=** | Remainder assignment | x %= 4; | x = x % 4; |
| **++** | Increment | x++; | x = x + 1; |
| **--** | Decrement | x--; | x = x-1; |

## ANSWER-5

“use strict” is an expression stating that JavaScript code should be executed in “strict mode.” The expression was introduced in ECMAScript 5.

“Strict mode” is a more restricted version of JavaScript, where semantics are altered to make the code more resilient and secure. In “strict mode,” some silent errors are changed to throw errors and disable some of the more confusing or undefined features in JavaScript.

For example, you cannot use undeclared variables in strict mode.