**Javascript Marathon Assignment – (Day – 3)**

1. **List all the Escape Sequences characters in javascript.**

|  |  |
| --- | --- |
| **Code** | **Result** |
| /b | Back Space |
| /f | Form Feed |
| /n | New Line |
| /r | Carriage Return |
| /t | Horizontal Tabulator |
| /v | Vertical Tabulator |
| /’ | Single Quote |
| /’’ | Double Quote |
| // | Back slash |

1. **Explain with example length and substring methods in javascript**

* **length** – In javascript the length is a property, which is used to find the length of the string
* **substring** – The substring () method is an in-built function, which is used to return a part of the given string from start index to end index.

**Example:**

const data = “This is a JavaScript Assignment Day-3”;

console.log(data.length); // output:37

console.log(data.substring(10,20); // output: Javascript

1. **What are padStart and padEnd in javascript, explain with an example.**

* **padstart** – The padstart() method in javascript is used to pad string with another string until it reaches the length of specified string. The padding is starts from left side of the string.
* **padend** - The padend() method is similar to padstart() method in javascript is used to pad string with another string until it reaches the length of specified string. The difference is padding starts from right side of the string.

**Example:**

**padstart() method**

const fullNumber = '2034399002125581';

const last4Digits = fullNumber.slice(-4);

const maskedNumber = last4Digits.padStart(fullNumber.length, '\*');

console.log(maskedNumber); //output: \*\*\*\*\*\*\*\*\*\*\*\*5581

**padend() method**

const str = 'Breaded Mushrooms';

console.log(str.padEnd(25, '.')); // output: Breaded Mushrooms........

1. **Define Global Object in javascript along with the global scope.**

The **global object** is an object which is always exisits in global scope. The global object interface is depend on the execution context in which the script is running.

* + 1. In **web browser** – window is a global object.
    2. In **webworker** – WebGlobalScope is a global object.
    3. In **nodejs** – global is a global object.

The **global scope** is a scope which is contain and is visible in all other scopes.

1. **List all the names of Javascript engines present currently.**

|  |  |
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| **Browser** | **Name of JavaScript Engine** |
| Google Chrome | V8 |
| Safari | JavaScript Core Webkit |
| Mozilla FireFox | Spider Monkey |