**JavaScript Assignment-3**

1.list all the Escape sequences characters in JavaScript?

Ans: JavaScript uses the backslash as an escape character for:

Single quote: \’

Double quote: \”

Backslash: \

New line: \n

Carriage return: \r

Tab: \t

Backspace: \b

Form feed: \f

Vertical tab: \v

2.explain with example length and substring methods in JavaScript?

Ans: 1)the length property returns the length of a string.

Syntax: string. Length

Ex: let text=” Hello world”;

let length=text. length;

2) the substring() method extracts characters, between two indices(positions),from a string, and returns the substring.

The substring () method extracts characters from start to end (exclusive)

Syntax: string. Substring (start, end)

Ex: let text =” Hello world!”;

Let result = text. Substring (1,4);

3.what are padStart and padEnd in JavaScript, explain with an example?

Ans: padStart and padEnd are two new methods available on JavaScript string. As their name implies, they allow for formatting a string by adding padding characters at the start or the end. Both methods work in the same way, with the only difference being that with padstart the padding is added at the start of the string and with padEnd the padding at the end.

The padstring will be repeated if needed to fill the desired target Length.

Ex: “dog!”. padStart (10);

“Dog!”. padEnd(14,’woof’);

“A longer string here”. padEnd (10);

4.define global object in JavaScript along with the global scope?

Ans: A global object is an object that always exists in the global scope. In JavaScript, there is always a global object defined. In a web browser, when scripts create global variables defined with the var keyword, they are created as members of the global object. The global objects interface depends on the execution context in which the script is running.

5.list all the names of JavaScript engines present currently?

Ans: JavaScript engine is a software component that execute JavaScript code.

Browser names of engine

1.google chrome V8

2.edge chakra

3.mozilla Firefox spider monkey

4.safari JavaScript core web kit