

Subject : 2304CS431 – Client Side Scripting using Javascript

Faculty: Prof. Chirag K. Sakhrani

Practical - 5: JavaScript String Functions.	
8)	
	Program :- WAP to demonstrate internal javascript. (A)
	<p>Output :-</p> <pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Internal JavaScript Example</title> <style> p { font-size: 18px; } </style> </head> <body> <h1>Internal JavaScript Demo</h1> <p id="text">Click the button to change my color!</p> <button onclick="changeColor()">Change Color</button> <script> function changeColor() { document.getElementById("text").style.color = "blue"; } </script> </body> </html> </pre>
9)	
	Program :- WAP to demonstrate external javascript. (A)
	<p>Output :-</p> <pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>External JavaScript Example</title> <style> p { font-size: 18px; } </style> <script src="script.js"></script> </pre>

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	<pre> </head> <body> <h1>External JavaScript Demo</h1> <p id="text">Click the button to change my color!</p> <button onclick="changeColor()">Change Color</button> </body> </html> : script.js function changeColor() { document.getElementById("text").style.color = "blue"; } </pre>
10)	
	Program:- WAP to concat two or more strings. (A)
	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Document</title> </head> <body> <h1>Darshan University</h1> <script> const one = "Universal" const two = "Management" document.write(one+" "+two) </script> </body> </html> </pre>
11)	
	Program: - WAP to demonstrate the use of various inbuilt string functions like charAt(), charCodeAt(), startsWith(), endsWith(), includes(), indexOf(), lastIndexOf(), match(), repeat(), replace("", ""), search(), split(), substr(start, length), substring(start, end), toString(), trim(). (A)
	<p>Output:-</p> <pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>String Functions in Action</title> <script> function demoStringFunctions() { let str = "Welcome to Darshan University, Hello World! Let's explore JavaScript. "; </pre>

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	<pre> console.log("charAt(1):", str.charAt(1)); console.log("charCodeAt(1):", str.charCodeAt(1)); console.log('startsWith("Welcome"):', str.startsWith("Welcome")); console.log('endsWith("JavaScript."):', str.endsWith("JavaScript.")); console.log('includes("Darshan"):', str.includes("Darshan")); console.log('indexOf("World"):', str.indexOf("World")); console.log('lastIndexOf("o"):', str.lastIndexOf("o")); console.log('match("JavaScript"):', str.match("JavaScript")); console.log('repeat(2):', str.repeat(2)); console.log('replace("World", "Universe"):', str.replace("World", "Universe")); console.log('search("Darshan"):', str.search("Darshan")); console.log('split(" ")', str.split(" ")); console.log('substr(7, 5):', str.substr(7, 5)); console.log('substring(7, 12):', str.substring(7, 12)); console.log('toString():', str.toString()); console.log('trim():', str.trim());} </script> </head> <body onload="demoStringFunctions()"> <h1>DU</h1> </body> </html> </pre>
12)	
	<p>Program:- WAP to explore more inbuilt string functions like slice(), toLowerCase(), toUpperCase(), valueOf(), fromCharCode(). (A)</p>
	<p>Output:-</p> <pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Explore String Functions</title> <script> function exploreStringFunctions() { let str = " Welcome to Darshan University, Hello World! Let's dive into JavaScript. "; console.log("slice(7, 12):", str.slice(7, 12)); console.log("toLowerCase():", str.toLowerCase()); console.log("toUpperCase():", str.toUpperCase()); console.log("valueOf():", str.valueOf());// returns the primitive String console.log("fromCharCode(72, 101, 108, 108, 111):", String.fromCharCode(72, 101, 108, 108, 111)); // je aapale parameteres hoi temathi string banave } </script> </head> <body onload="exploreStringFunctions()"> <h1>UMS</h1> </body> </html> </pre>