<html>

<body>

<h2><b>JavaScript String Methods<b></h2>

<p>The length property returns the length of a string:</p>

<p id="p1"></p>

<p>The indexOf() method returns the position of the first occurrence of a specified text:</p>

<p id="p2"></p>

<p>The slice() method extract a part of a string

and returns the extracted parts in a new string:</p>

<p id="p3"></p>

<p>The substring() method extract a part of a string and returns the

extracted parts in a new string. </p>

<p>Extract Apple from the string"Intel, Apple,Windows"

<p id="p4"></p>

<p>Replace "Microsoft" with "Windows" in the "Please visit Microsoft!"</p>

<p id="p5">Please visit Microsoft!</p>

<p>Convert string to upper case: Hello World!</p>

<p id="p6">Hello World!</p>

<p>The concat() method joins two or more strings:</p>

<p> concatenate Hello and World!</p>

<p id="p7"></p><br><br>

<h2><b>JavaScript Math objects</b></h2>

<p>Math.round(x) returns the value of x rounded to its nearest integer:4.4</p>

<p id="p8"></p>

<p>Math.ceil() rounds a number <strong>up</strong> to its nearest integer:4.4</p>

<p id="p9"></p>

<p>Math.trunc(x) returns the integer part of x: 4.7</p>

<p id="p10"></p>

<p>Math.pow(x,y) returns the value of x to the power of y: 8^2 </p>

<p id="p11"></p>

<p>Math.sqrt(x) returns the square root of x: 84</p>

<p id="p12"></p>

<p>Math.sin(x) returns the sin of x (given in radians):</p>

<p>Angle in radians = (angle in degrees) \* PI / 180.</p>

<p id="p13"></p>

<p>Math.min() returns the lowest value in a list of arguments:0, 150, 30, 20, -8, -200</p>

<p id="p14"></p>

<p>Math.random() returns a random number between 0 and 1:</p>

<p id="p15"></p>

<script>

var txt = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

var sln = txt.length;

document.getElementById("p1").innerHTML = sln;

var str = "Please locate where 'locate' occurs!";

var pos = str.indexOf("locate");

document.getElementById("p2").innerHTML = pos;

var str = "Samsung, Nokia, Oppo";

var res = str.slice(7,13);

document.getElementById("p3").innerHTML = res;

var str = "Intel, Apple,Windows";

var res = str.substring(7,12);

document.getElementById("p4").innerHTML = res;

var str = document.getElementById("p5").innerHTML;

var txt = str.replace("Microsoft","Windows");

document.getElementById("p5").innerHTML = txt;

var text = document.getElementById("p6").innerHTML;

document.getElementById("p6").innerHTML = text.toUpperCase();

var text1 = "Hello";

var text2 = "World!";

var text3 = text1.concat(" ",text2);

document.getElementById("p7").innerHTML = text3;

document.getElementById("p8").innerHTML = Math.round(4.4);

document.getElementById("p9").innerHTML = Math.ceil(4.4);

document.getElementById("p10").innerHTML = Math.trunc(4.7);

document.getElementById("p11").innerHTML = Math.pow(8,2);

document.getElementById("p12").innerHTML = Math.sqrt(64);

document.getElementById("p13").innerHTML =

"The sine value of 90 degrees is " + Math.sin(90 \* Math.PI / 180);

document.getElementById("p14").innerHTML =

Math.min(0, 150, 30, 20, -8, -200);

document.getElementById("p15").innerHTML = Math.random();

</script>

</body>

</html>