

```
<html>
<head>
<script type="text/javascript">
function product(a,b){
    return a*b;
}

var func = new Function("x", "y", "return x*y;");
function secondFunction(){
var result;
result = func(10,20);
document.write(result);
}

</script></head>
<body>
<script type="text/javascript">
var a=prompt("Enter the operand-1");
var b=prompt("Enter the operand-2");
document.write(product(a,b)+"<br>");
secondFunction();
</script>
</body>
</html>
```

```
<html> <head>
<script type="text/javascript">
function show_alert()
{
alert("I am an alert box! inside function");
}
alert("I am an alert box-1!");
</script> </head>
<body>
<input type="button" onClick="show_alert()" value="Show alert box" >
</body> </html>
```

```
<html> <head>
<script type="text/javascript">
function show_confirm()
{
var r=confirm("Press a button!");
if(r==true)
{  alert("You pressed OK!");  }
else
{  alert("You pressed Cancel!");  }
}

</script> </head>
<body>
<input type="button" onClick="show_confirm()" value="Show confirm box" >
</body> </html>
```

```
<html> <head> <script type="text/javascript">
function show_prompt()
{
var name=prompt("Please enter your name","Harry Potter");

    if (name!=null && name!="")
    {    document.write("<p>Hello " + name + "! How are you today?</p>");
    }
else
{
alert("Please enter the value!");
}
}</script> </head>
<body>
<input type="button" onClick="show_prompt()" value="Show prompt box">
</body> </html>
```

```

<html>
<head>
<script type="text/javascript">
var txt="Hello world! hello world";
//var txt=new String("Hello world!");

document.write(txt.length); //12
document.write(txt.toUpperCase()); //HELLO WORLD!
document.write(txt.toLowerCase()); //HELLO WORLD!
document.write(txt.match("world") ); //world
document.write(txt.match("World") ) ;//null
document.write(txt.indexOf("world")); //6
document.write(txt.lastIndexOf("world"));
var str="Visit Microsoft!";
var txt="Hello world!";
document.write(str.replace("Microsoft","CTS")); //Visit
document.write("<p>Big: " + txt.big() + "</p>");
document.write("<p>Small: " + txt.small() + "</p>");
document.write("<p>Bold: " + txt.bold() + "</p>");
document.write("<p>Italic: " + txt.italics() + "</p>");
document.write("<p>Strike: " + txt.strike() + "</p>");
document.write("<p>Fontcolor: " + txt.fontcolor("green") + "</p>");
document.write("<p>Fontsize: " + txt.fontsize(6) + "</p>");
document.write("<p>Subscript: " + txt.sub() + "</p>");
document.write("<p>Superscript: " + txt.sup() + "</p>");
document.write("<p>Link: " + txt.link("http://www.w3schools.com") + "</p>");
document.write("<p>Blink: " + txt.blink() + " (does not work in IE, Chrome, or Safari)</p>");

var str = "Apples are round, and apples are juicy.";
var sliced = str.slice(3, 6);
document.write( sliced + "<br>");

var splitted = str.split(" ");
document.write( splitted + "<br>");

//var str1 = new String( "This is beautiful string" );
var str1 = new String("xyz");
var index = str1.localeCompare("XYZ");
document.write("localeCompare first : " + index );

document.write("<br>");
var index = str1.localeCompare("abcd");
document.write("localeCompare second : " + index )
</script></head>
<body>
</body>

</html>

```

```
<html>
<head>
<script type="text/javascript">

function displayDate()
{
var dt=new Date();
//var dt=new Date("Dec 25, 2021 11:45:00"); //Date("MMM DD,YYYY HH:MM:SS");
//var dt=new Date(2021,09,10); //Date(YYYY,MM,DD);
document.write(dt.getDay() + "<br>");
document.write(dt.getDate()+ "/" + (dt.getMonth()+1) + "/" + dt.getFullYear() + "<br>");
document.write(dt.getHours() + "<br>" + dt.getMinutes()+ "<br>" + dt.getSeconds() + "<br>" +
dt.getMilliseconds()+ "<br>" + dt.getTime()+ "<br>");
document.write(dt.toString()+ "<br>" + dt.toLocaleDateString()+ "<BR>" + dt.toLocaleString()+
"<br>");
document.write(dt.toString());
}
</script>
</head>
<body>
<h1>My First Web Page</h1>
<p id="demo">This is a paragraph.</p>
<input type="submit" onClick="displayDate()" value="Display Date">
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Math</h2>
<script>
document.write(Math.PI+"<br>");
document.write(Math.round(4.3)+"<br>" +
Math.pow(8, 2)+"<br>" +
Math.sqrt(64)+"<br>" +
Math.abs(-4.7)+"<br>" +
Math.ceil(4.4)+"<br>" +
Math.floor(4.7)+"<br>" +
Math.min(0, 150, 30, 20, -8, -200)+"<br>" +
Math.max(0, 150, 30, 20, -8, -200)+"<br>" + Math.random()+"<br>" +
Math.SQRT1_2+"<br>" +
Math.SQRT2+"<br>" +
Math.E+"<br>" +
Math.LN10);

</script>

</body>
</html>
```