

1. Write a JavaScript function named Words( ) to create an array of words from a given sentence. Pass the sentence as argument to the function and display the words as an unordered list. (2)

2. Write a JavaScript function to convert a string in abbreviated form. (2)  
Ex: Input- web technology      Output- WT

3. (Pig Latin) Write a script that encodes English-language phrases in pig Latin. Pig Latin is a form of coded language often used for amusement. Many variations exist in the methods used to form pig Latin phrases. For simplicity, use the following algorithm:

To form a pig Latin phrase from an English-language phrase, tokenize the phrase into an array of words using String method split. To translate each English word into a pig Latin word, place the first letter of the English word at the end of the word and add the letters "ay." Thus the word "jump" becomes "umpjay," the word "the" becomes "hetay" and the word "computer" becomes "omputercay." Blanks between words remain as blanks. Assume the following: The English phrase consists of words separated by blanks, there are no punctuation marks and all words have two or more letters. Function printLatinWord should display each word. Each token (i.e., word in the sentence) is passed to method printLatinWord to print the pig Latin word. Enable the user to input the sentence through an HTML5 form. Keep a running display of all the converted sentences as an HTML5 Paragraph. Display the converted sentence in uppercase. (3)

4. Write a script that inputs a telephone number as a string in the form (555) 555-5555. The script should extract the area code as a token, the first three digits of the phone number as a token and the last four digits of the phone number as a token. Display the area code in one text field and the seven-digit phone number in another text field. (3)



```

string1
<html>
<script>
function fn()
{
var i;
var x=prompt("Enter a sentence");
var r=x.split(" ");
document.writeln("<center><h2>ABBREVIATED FORM</h2></center>");
document.writeln("<center>");
for(i=0;i<r.length;i++)
document.writeln('<Font size="6">'+r[i].charAt(0)+'</font>');
document.writeln("</center>");
}
</script>
<body>
<br><br><br><br><br>
<center><button onclick="fn()">Submit</button></body></center>
</html>

```

```

string2
<html>
<body>
<center>Enter a Sentence: <br><br>
    <input type="text" id="a" name="TextBox1">
    <br><br><br><br><br>
<button onclick="words(document.getElementById('a').value)">Submit</button></center>
<script>
function words(avi)
{
var r=avi.split(" ");
var i;
for(i=0;i<r.length;i++)
{
document.writeln("<ul><li>"+r[i]+"</li></ul>");
}
}
</script>
</body>
</html>

```

```

string3
<html>
<script>
function fn()
{
var l;
var i;
var j;

```



```

var x=prompt("Enter a sentence");
var r=x.split(" ");
var l=r.length;
var b,c,d;
for(i=0;i<l;i++)
{
    b=r[i].charAt(0);
    d=r[i].length;
    c = r[i].slice(1,d+1)+b+"ay";
    document.write('<font size="4"<b><Marquee>'+c+'</Marquee></b></font>');
}
</script>
<body>
<br><br><br><br><br><br><br><br>
<center> <button onclick="fn()">Submit</button></center>
</body></html>

```

#### string4

```

<html>
<head>
<title>STRING</title>
<script>
function validate()
{
    var a=prompt("Enter your Phone Number=");
    var l=a.length;
    var b = a.split(" ");
    var pos3 = a.indexOf(")");
    var res = b[0].slice(1,pos3);
        var pos = a.indexOf(" ");
        var c = a.split("-");
        var pos1 = a.indexOf("-");
        var d=c[0].slice(pos,pos1);
        var l2=a.slice(pos1,l);
        document.getElementById("a").value = res;
        document.getElementById("b").value = d+l2;
    }</script>
<center></head><h1>STRING OBJECT</h1><br><body>
<input type="button" name="cl" value="Display Phone Number" onclick="validate()">
<br><br><br>
Area Code : <br><br>
    <input type="text" id="a" name="TextBox2">
    <br><br>
Phone Number : <br><br>
    <input type="text" id="b" name="TextBox2">
    <br><br>
    <input type="button" name="cl" value="Display Result" onclick="validate()">
    </body></head></html></center>
</html>

```