

LAB 4.2 Internet Programming

Solution Lab 4.2 - Create a web page similar with this image, using input fields and JavaScript :

Your text in lowercase:	<input type="text" value="your text"/>	-> UPPERCASE:	<input type="button" value="toUpperCase()"/>
Your text in UPPERCASE:	<input type="text" value="YOUR TEXT"/>	-> lowercase:	<input type="button" value="toLowerCase()"/>

Var1 (integer) :	<input type="text" value="15"/>	+	Var2 (integer) :	<input type="text" value="5.9"/>	=	
Var1 (float) :	<input type="text" value="15.4"/>	+	Var2 (float) :	<input type="text" value="5.9"/>	=	

Use JS functions: **toUpperCase()**, **toLowerCase()**, **parseInt()**, **parseFloat()**, to format and/or to calculate the entries or default values (strings and numbers). Use **document.getElementById()** with **.value** or **.innerHTML** to get and/or to set the data.

Your text in lowercase:	<input type="text" value="your text"/>	-> UPPERCASE:	<input type="button" value="toUpperCase()"/>	YOUR TEXT
Your text in UPPERCASE:	<input type="text" value="YOUR TEXT"/>	-> lowercase:	<input type="button" value="toLowerCase()"/>	your text

Var1 (integer) :	<input type="text" value="15"/>	+	Var2 (integer) :	<input type="text" value="5.9"/>	=	20
Var1 (float) :	<input type="text" value="15.4"/>	+	Var2 (float) :	<input type="text" value="5.9"/>	=	21.3

Use the event **onclick** into the buttons and **onchange** into the inputs elements to call appropriate function.

Add your name and the date on the top of the page as a comment.

Use JS and CSS to format the web page.
Upload the work by LEA.

Thank you.

```
<!DOCTYPE html>
<!--Name:   Date:   Description:   -->
<html lang="en" dir="ltr">
<head>
  <title>ToUpper-ToLower-ParsInt-parseFloat</title>
  <style type="text/css">
    span {color:red;}
    .green {color:green;}
  </style>
  <script type="text/javascript">
```

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```
function toUpperCase() {
var upper = document.getElementById("myText1").value;
document.getElementById("upper").innerHTML = upper.toUpperCase();
}

function toLowerCase() {
var lower = document.getElementById("myText2").value;
document.getElementById("lower").innerHTML = lower.toLowerCase();
}

function addition1() {
var g = document.getElementById("int").value;
var h = document.getElementById("int2").value;
document.getElementById("additionI").innerHTML = parseInt(g) + parseInt(h);
}

function addition2() {
var x = document.getElementById("float").value;
var y = document.getElementById("float2").value;
document.getElementById("additionF").innerHTML = parseFloat(x) + parseFloat(y);
}
</script>
</head>
<body>
<p>Your text in lower case:
<input type="text" onchange="toUpperCase()" id="myText1" class="green" value="your text">
-> UPPERCASE:
<input type="button" onclick="toUpperCase()" value="toUpperCase()" />
<span id="upper"></span></p>
<p>Your text in UPPERCASE:
<input type="text" onchange="toLowerCase()" id="myText2" class="green" value="YOUR TEXT">
-> lowercase:
<button onclick="toLowerCase()">toLowerCase()</button>
<span id="lower"></span> </p>
<br><hr><br>
<p>Var1 (integer):
<input type="number" onchange="addition1()" id="int" class="green" value="15"> + Var2
(integer):
<input type="number" onchange="addition1()" id="int2" class="green" value="5.9">
<input type="button" onclick="addition1()" value="=" />
<span id="additionI"></span>
<p>Var1 (float):
<input type="number" onchange="addition2()" id="float" class="green" value="15.4"> + Var2
(float):
<input type="number" onchange="addition2()" id="float2" class="green" value="5.9">
<button onclick="addition2()">=</button>
<span id="additionF"></span></p>
</body>
</html>
```