

BPC – Advanced HTML # W4.2

today

topics:

- introduction to Javascript (cont.)

javascript

- example #4: js4.html
 - *forms* — `<form> ... </form>`
- example #5: js5.html
 - *comments*
 - * text that is ignored by browser or javascript interpreter
 - * in html: `<!-- put comment here -->`
 - * in javascript: `// put comment here`
 - *dialog boxes*
 - * alert: `alert( "hello!" )`
 - * prompt: `myname = prompt( "enter your name:", "" );`
 - * confirm: `okay = confirm( "are you sure?" );`
 - *branching* — `if ... else`
- example #6: js6.html
 - *events* — `onclick`
- examples #7 and #8: js7.html, js8.html
 - *functions* — `function NAME() { ... statements ... }`
 - naming rules (same as for variables): letters and numbers and underscore (.) are allowed, but name cannot start with a number
- example #9: js9.html
 - *function arguments* — `function NAME( args ) { ... statements ... }`

examples

- js4.html

```
<html>
<head>
<title>
fourth javascript program
</title>
</head>
<body>
<p>
<font color="red">
hello from the body of your web page!
<form name="form1">
<input type="text" name="formname">
</form>
<script language="javascript">
var myname;
myname = prompt( "enter your name:", "" )
document.form1.formname.value = "hi, " + myname
</script>
</font>
</body>
</html>
```

- js5.html

```
<html>
<head>
<title>
fifth javascript program
</title>
</head>
<body>
<script language="javascript">
<!--
alert( "hello friend!" )
myname = prompt( "what is your name?", "" )
okay = confirm( "so, your name is " + myname + "?" )
if ( okay ) {
    document.write( "hello " + myname + ", and welcome to my chocolate factory!" )
}
else {
    document.write( "sorry, wrong number!" )
}
//-->
</script>
</body>
</html>
```

- js6.html

```
<html>
<head>
<title>
sixth javascript program
</title>
</head>
<body>
<form name="form1">
please enter your name:<br>
<input type="text" name="yourname"><br>
click this button
<input type="button" value="greet"
onclick="form1.txtgreet.value='hello, ' + form1.yourname.value">
<br>
<input type="text" name="txtgreet">
</form>
</body>
</html>
```

- js7.html

```
<html>
<head>
<title>
seventh javascript program
</title>
<script language="javascript">
<!--
function greet() {
    document.form1.txtgreet.value = "Hello, " + document.form1.yourname.value
}
//-->
</script>
</head>
<body>
<form name="form1">
please enter your name:<br>
<input type="text" name="yourname"><br>
click this button
<input type="button" value="greet" onclick="greet()">
<br>
<input type="text" name="txtgreet">
</form>
</body>
</html>
```

- js8.html

```
<html>
<head>
<title>
eighth javascript program
</title>
<script language="javascript">
<!--
function calcIt() {
    var num1, num2
    num1 = Number( document.form1.mynum1.value )
    num2 = Number( document.form1.mynum2.value )
    document.form1.txtsum.value = num1 + num2
}
//-->
</script>
</head>
<body>
<form name="form1">
enter first number:<br>
<input type="text" name="mynum1"><br>
enter second number:<br>
<input type="text" name="mynum2"><br>
click this button to add them up!
<input type="button" value="add'em" onclick="calcIt()">
<br>
<input type="text" name="txtsum">
</form>
</body>
</html>
```

- js9.html

```
<html>
<head>
<title>
ninth javascript program
</title>
<script language="javascript">
<!--
function calcIt( num1, num2 ) {
    var sum
    sum = num1 + num2
    document.form1.txtsum.value = sum
}
//-->
</script>
</head>
<body>
<form name="form1">
enter first number:<br>
<input type="text" name="mynum1"><br>
enter second number:<br>
<input type="text" name="mynum2"><br>
click this button to add them up!
<input type="button" value="add'em"
onclick="calcIt( Number(form1.mynum1.value), Number(form1.mynum2.value) )">
<br>
<input type="text" name="txtsum">
</form>
</body>
</html>
```