

Adding Functionality to a Web Page using JavaScript

Introduction

There are three parts to using JavaScript to add functionality to a web page:

- Adding a JavaScript function to the page
- Calling the function
- Reading the contents of the Html element.

var tells the script that you are about to declare a variable. Assign a value to the variable in the same line. As it's outside the function it's a **Global variable**.

Start with a script tag

Use the word 'function' to tell the script you are about to start a function. Give it a sensible name, then open and close the round brackets and open a curly bracket.

This line starts by declaring the variable Output1. The document.getElementById("ID") reads whatever's in the html element you've specified – the .value specifies that it's the **value** property that will be assigned to the variable.

```
<script>
var var_Score = 0;
function myFunction() {
var Output1= document.getElementById("Question1").value;
if (Output1=="Sale")
{
alert("well done");
var_Score = var_Score +1;
document.getElementById("score").innerHTML=var_Score;
}
else if(Output1=="")
{
alert("Please enter an answer");
}
else
{
alert("Please try again");
}
}
</script>
```

If statement with string value in quotes

This is a JavaScript popup message

Open curly brackets to start the if statement

Close curly brackets to close the if statement

"" double quotes together means: no value

If the answer of not "Sale" and there hasn't been a null answer then please try again ..

Close the script

This line uses the document.getElementById("ID") to display the new score (assigned to the var_score variable) in the score div tag. Notice we are adding the score value to the innerHTML property.

This input box is for the answer and will be read by the "var Output1= document.getElementById("Question1").value;" line in the JavaScript.

HTML

```
<p> 1. Translate <b>'Salt'</b> into Italian
```

```
<br>
```

```
<input type="text" name="Salt" id="Question1">
```

```
<input type="submit" onClick="myFunction()" value="check">
```

This input box is a submit button that calls the function.