

Functions in JavaScript

We have used several predefined functions so far:

`alert()`

`prompt()`

`document.write()`

`parseInt()`

`parseFloat()`

General Function Definition Syntax

```
function FunctionName ( parameter1, . . . , parametern )  
{  
    variable declaration(s)  
    statement(s)  
}
```

If there are no parameters, there should be nothing inside of the ()'s

```
function FunctionName()  
{  
    ...  
}
```

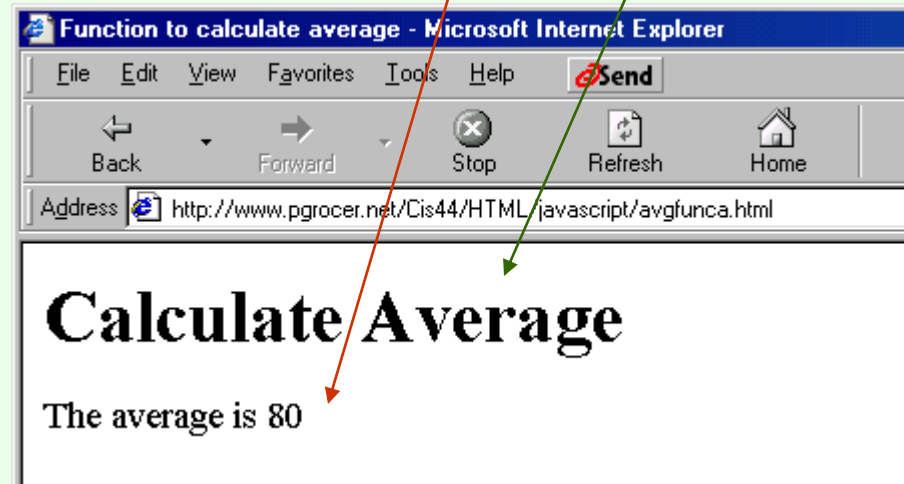
There may be no variable declarations.

```
<Html><head>
<title>Function Parameter Example</title>
<script type="text/javascript">
function PrintMessage(counter)
    {
        var i;
        for(i = 1; i <= counter; i = i + 1)
        {
            alert("Have a nice day!");
        }
    }
</script>
</head>
<body>
    <script type="text/javascript">
        var counter;
        counter = prompt("Enter a number:");
        PrintMessage(counter);
    </script>
</body></html>
```

Example 1: avgfunca.html

Note that the JavaScript function is coded in the HEAD.

```
<HTML><HEAD>
<TITLE>Function to calculate average</TITLE>
<SCRIPT language = "JavaScript">
function calAvg( exam, proj, hmwk)
{
  theAvg = (exam + proj + hmwk)/3;
  document.write("The average is " + theAvg);
}
</SCRIPT>
</HEAD>
<BODY>
<H1>Calculate Average</H1>
<SCRIPT language="JavaScript">
var exam = parseInt(prompt("Key in the grade for exams"));
var proj = parseInt(prompt("Key in the grade for projects"));
var hmwk = parseInt(prompt("Key in the grade for homework"));
calAvg(exam, proj, hmwk);
</SCRIPT>
</BODY>
</HTML>
```



```
<SCRIPT language="JavaScript">  
var exam = parseInt(prompt("Key in the grade for exams"));
```

