

learning JavaScript

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JavaScript Statements

```
<html>
```

```
<head><title>My Page</title></head>
```

```
<body>
```

```
<script type="text/javascript">
```

```
document.write('This is my first JavaScript Page');
```

```
</script>
```

```
</body>
```

```
</html>
```

JavaScript Statements

```
<html>
```

```
<head><title>My Page</title></head>
```

```
<body>
```

```
<script type="text/javascript">
```

```
document.write('<h1>This is my first JavaScript Page</h1>');
```

```
</script>
```

```
</body>
```

```
</html>
```

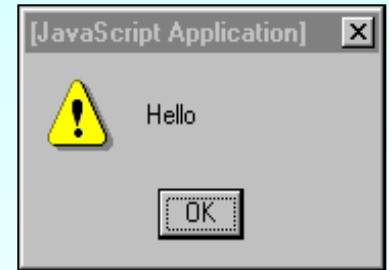
HTML written
inside JavaScript



JavaScript Statements

```
<html>
<head><title>My Page</title></head>
<body>

<a href="profile.html">Profile</a>
<br />
```



```
<a href="profile.html" onMouseover="window.alert('Hello');">
Profile</a>
```

An Event

JavaScript written
inside HTML

```
</body>
</html>
```

JavaScript Statements

```
<html>
<head><title>My Page</title>
<script type="text/javascript">
function fn_mes()
{
alert("This alert box is Called with the onload event")
}
</script>
</head>

<body onload="fn_mes()">
</body>
</html>
```

Example Statements

Inserting Data from message alert box

```
<html>
<head><title>My Page</title></head>
<body>
<script type="text/javascript">
  window.prompt('Enter your name:', '');
</script>
</body>
</html>
```

Example Statements

Inserting Data from message alert box

```
<html>
<head><title>My Page</title></head>
<body>
<script type="text/javascript">
yourname = prompt("Please enter your name", "");
document.write("Hello " + yourname + ", and welcome !");
</script>
<hr>
<p> I hope you will enjoy learning JavaScript. </p>
</body>
</html>
```

HTML Forms and JavaScript

- JavaScript is very good at processing user input in the web browser
- HTML `<form>` elements receive input
- Forms and form elements have unique names
 - Each unique element can be identified
 - Uses JavaScript Document Object Model (DOM)

Example Statements

```
<html>
<head><title>My Page</title></head>
<body>
<form>
<input type="button" Value="Press"
  onClick="window.alert('Hello');">
</form>
</body>
</html>
```

Naming Form Elements in HTML

Name:

Phone:

Email:

```
<form name="addressform">  
Name: <input type="text" name="yname" id="yname"><br>  
Phone: <input type="text" name="phone" id="phone"><br>  
Email: <input type="text" name="email" id="email "><br>  
</form>
```

Forms and JavaScript

`document.formname.elementname.value`

Thus:

`document.addressform.yname.value`

`document.addressform.phone.value`

`document.addressform.email.value`

Name:

Phone:

Email:

Using Form Data

Personalising an alert box

Enter your name:



```
<form name="alertform">
```

Enter your name:

```
<input type="text" name="yname" id="yname">
```

```
<input type="button" value="Go"  
  onClick="window.alert('Hello ' +  
  document.alertform.yname.value);">
```

```
</form>
```

Example Statements

Embed External JavaScript File

```
<html>
<head><title>My Page</title>
<script src="file_fn_mes.js"></script>
</head>

<body onload="fn_mes()">
    file_fn_mes.js

</body>
</html>

function fn_mes()
{
    alert("This alert box
        is Called with the
        onload event")
}
```

Tips

- Check your statements are on one line
- Check your " and ' quotes match
- Take care with capitalisation
- Lay it out neatly - use tabs
- Be patient