



JavaScript Lesson 1 - Worksheet



Part 1 – Set up HTML/CSS

- Make a “JavaScript” folder and make a “week 1” inside it
- Download the myFace.png and myFace_smile.png images from moodle and put them in the folder
- Make a new HTML file and save it in the folder also (call it week 1 or JavaScript intro or something)
- Add a title to the document and put a heading at the top
- Add the myFace.png image under the heading and centre it (using css or otherwise)
- Add an anchor tag with a href="#" and text with something like “hello”
- Test your page to make sure everything is ok

Part 2 – Alert / Function

- In the head, add the script tag

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

- Inside the script tag, add the following function:

```
function hello(){  
    alert("hello!");  
}
```

- Inside the HTML anchor tag, change the “#” to “javascript:hello();”
- Refresh your page and click the link and see what happens...

Part 3 – Prompt

- Remove the `alert("hello!");` from the hello function
- Above the hello function but inside the script tags add the following line:

```
var username
```

- Back inside the hello function, add the new code:

```
if (username) {  
    alert('hello again, ' + username + '!!!');  
} else {  
    username = prompt("hello!! what's your name??");  
    if(username)  
        alert("hello, " + username + "...nice to meet you!!!");  
}
```

- Refresh the page again and see what happens when the link is pressed





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Part 4 – getElementById -> src

- Add the following to the img tag in the HTML

```
onclick="smile();"
```

- Add the following function inside the script tag:

```
function smile(){  
    document.getElementById("smiley").src = "myFace_smile.png";  
}
```

- Refresh the page and click the image and see what happens

Part 5 – getElementById -> innerHTML

- Below the anchor tag in the HTML, add the following:

```
<p id="smileText"></p>
```

- Add the following to the smile function (leave what was there from before):

```
document.getElementById("smileText").innerHTML = "i'm happy again!"
```

- Refresh the page and click the image and see what happens

Part 6 – Reset Function

- Below the smileText paragraph tag, add this new paragraph:

```
<p><a href="javascript:frown();">reset</a></p>
```

- Add the following function:

```
function frown(){  
    document.getElementById("smiley").src = "myFace.png";  
    document.getElementById("smileText").innerHTML = "ooo nooo!";  
}
```

- Refresh the page and click the image and see what happens

