# **JavaScript Exercises 1**

#### **Exercise 1: Pop up Windows**

In the first exercise we are going to use JavaScript to open a new webpage when we click on a link. There is a predefined method called window.open which we can use to do this. The list of arguments that window.open expects to see in brackets can be found on the internet, with a quick search. Type in the following script and save it as:

## popup1.js

```
function openit( url )
{
  window.open( url, 'windowl', 'scrollbars = yes, resizable = no, width =
690, height = 300');
}
```

Now we need a webpage which will call this function when we click on a hyperlink. Note the use of the <script> tag, which tells the browser where the scripts are stored.

## poppage01.htm

We had also better provide a simple page so that there is something to appear in the window, when it pops up. Type in the following and save as:

# simplepage1.htm

Try opening poppage01.htm in your browser and seeing what happens. For the sake of the exercise, I am using the deprecated attribute 'bgcolor' although really this should be done with CSS.

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You may find that you have to switch off the pop up blocker, which most browsers are now equipped with before it will work.

#### **Exercise 2: Opening two windows**

Now we will add a second function to our script file, which will open a second window. It will be a different size, and we will also be able to change its size.

Make the following changes to popup1.js and save it as:

# popup2.js

We will also provide a second link.

Make the following changes to poppage01.htm and save it as:

## poppage02.htm

Again, we had better provide a second simple page which can be opened in the new window.

#### anotherpage1.htm

#### **Exercise 3: Providing Close Buttons**

There are two ways in which we could close the two popup windows, both using the same window.close method. One is to use a button on a form, and attach to it a Javascript command which is triggered when the onClick event is detected.

Make the following changes to simplepage1.htm and save it as:

## simplepage2.htm

The other method is to associate a Javascript command directly with an anchor tag (<a>).

Make the following changes to anotherpage1.htm and save it as:

## anotherpage2.htm

Also make sure that you make the necessary changes to poppage02.htm so that it will be these two pages that are loaded when you click on the links.

#### **Exercise 4: Creating Rollover Links**

We are going to create an image of an arrow. Furthermore, we want the arrow to change colour when the mouse pointer is over the image.

The trick is to have two identical images, except that they are different colours, and to use the onmouseover and onmouseout events to change them over.

Use Paint or a similar graphics package to create a small image of an arrow, like this:



Make it 200 pixels wide by 100 pixels high. Colour it in red and save it as redarrow.gif Copy it, colour it blue, and save it as bluearrow.gif.

Make sure they are both saved in the same folder as the webpages.

Then type in the following and save it as:

#### rollover01.htm

Load Rollover01.htm and see if it works.

Modify it so that when you click on the image, it displays a picture of an explosion – or a fluffy kitten – or anything else you can find on the internet.