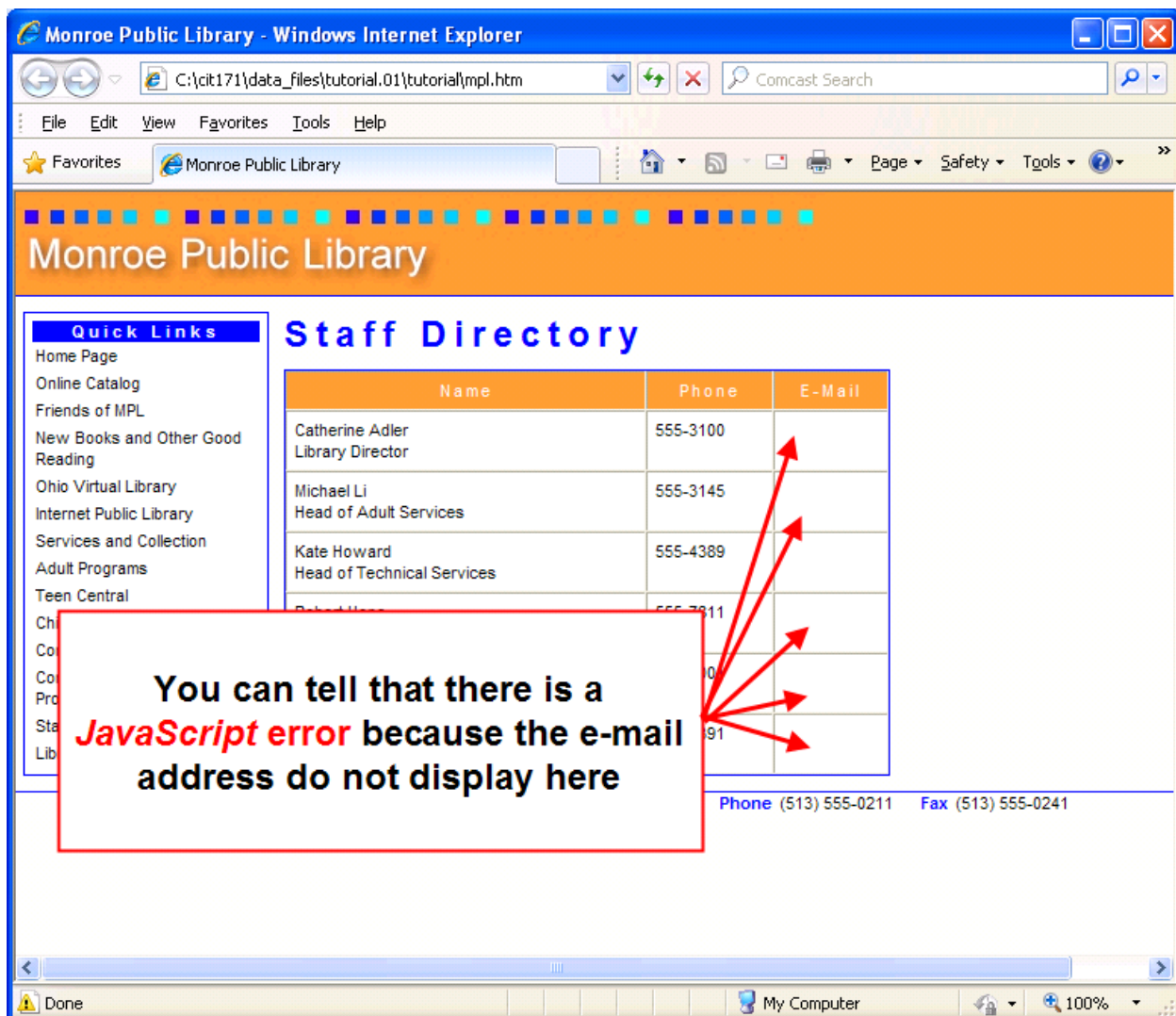


## Tutorial 1: *Programming with JavaScript*

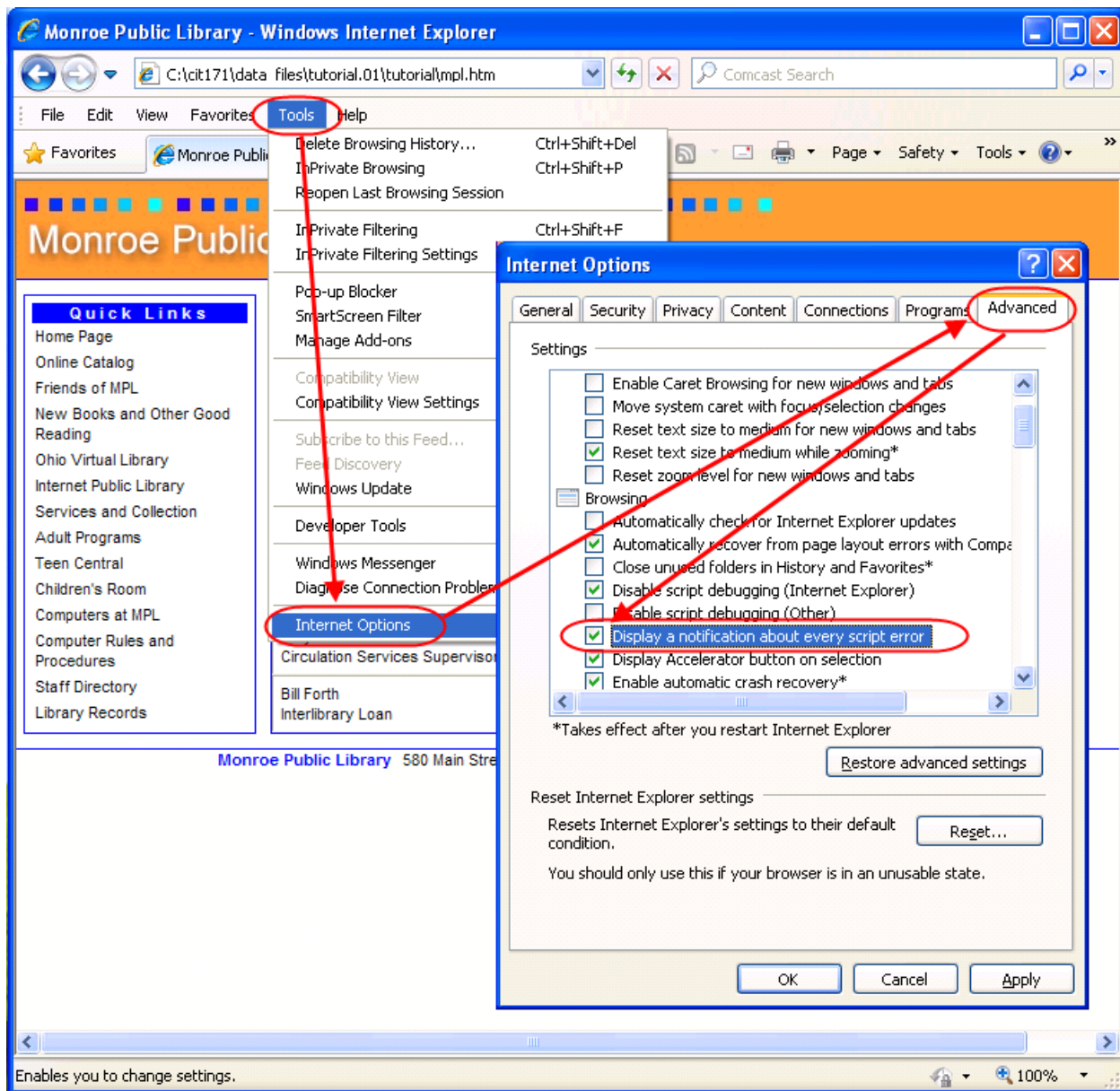
### Debugging JavaScript using Microsoft Internet Explorer

If your *Tutorial 1* Web page named [mpl.htm](#) is not displaying correctly, follow these steps to find the JavaScript coding error if using Microsoft Internet Explorer Web browser.



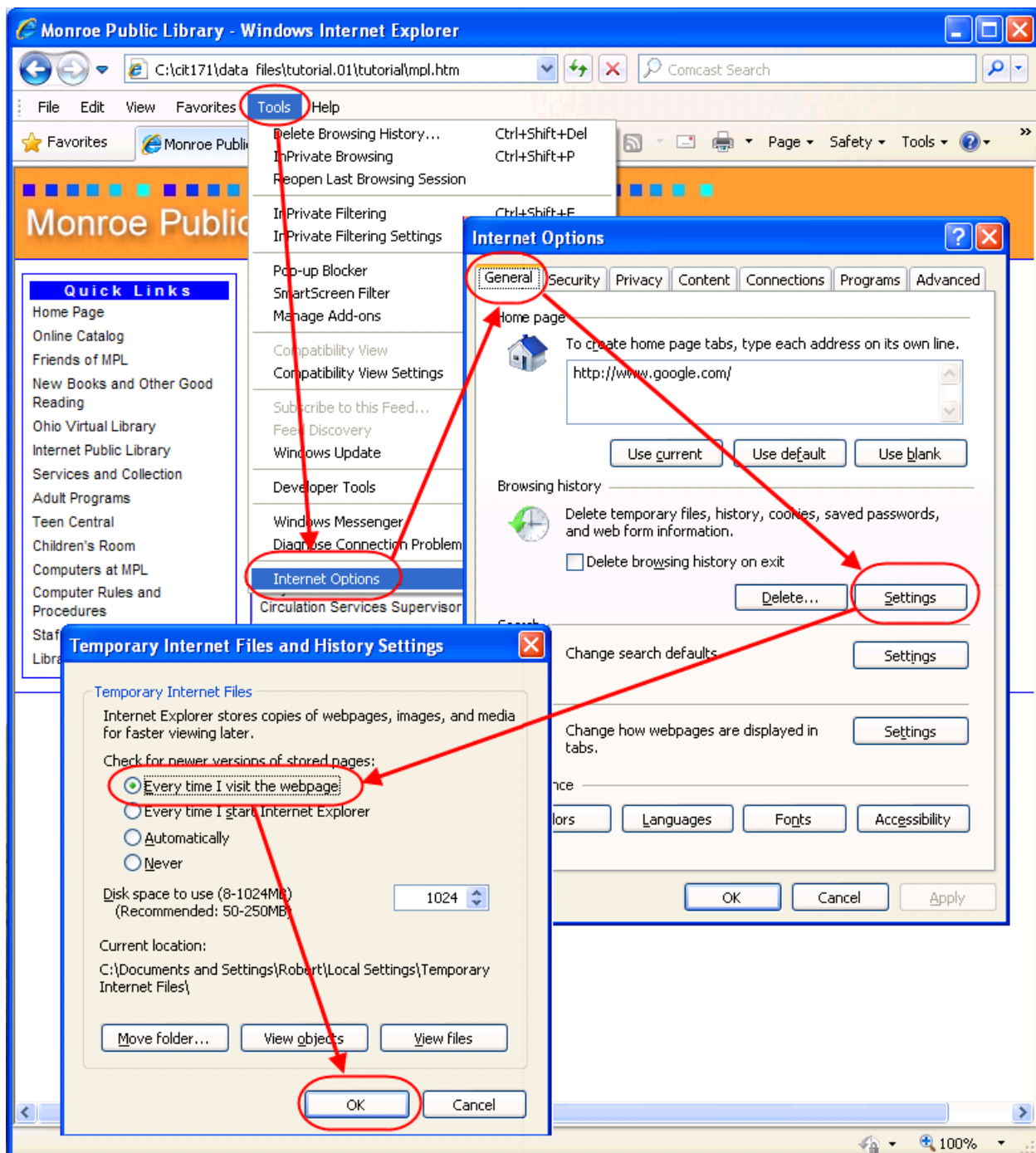
To find your JavaScript error, turn on the *Display a notification about every script error* option within Microsoft Internet Explorer Web browser.

Make sure this option is selected when you are coding *JavaScript*. This option should be turned back off when you go back to surfing the Web. If you forget to turn this option off when you finish coding your *JavaScript* you will continue to see JavaScript error messages when you are surfing.



To find your JavaScript errors you will also need to turn on the *Check for newer versions of stored pages* *Every time I visit the webpage* option within Microsoft Internet Explorer Web browser.

Make sure this option is selected when you are coding *JavaScript*. This option should be turned back off when you go back to surfing the Web. If you forget to turn this option off when you finish coding your *JavaScript* you will continue pull fresh Web pages from Web servers instead of cached pages from your computer when you are surfing.



After these two options have been set in Microsoft Internet Explorer you can see the JavaScript error message.

The error in this case has to do with the fact that **JavaScript language is case sensitive**. The **document object** name was typed incorrectly. A lower case letter “d” should have been used instead of an upper case letter “D”.

The screenshot shows a Windows Internet Explorer window displaying the Monroe Public Library website. A JavaScript error message is displayed in a dialog box, stating: "Errors on this webpage might cause it to work incorrectly. To see this message in the future, double-click the warning icon on the status bar." The error details are: "'document' is undefined", "Line: 38", "Char: 10".

The error message is linked to a Notepad++ window showing the source code of the file `mpl.htm`. The code is as follows:

```
33  
34     userName =  
35     emServer =  
36  
37     var emLink = userName + "@" + e  
38     Document.write("<a href='mailto:  
39     document.write(emLink);  
40     document.write("</a>");  
41  
42 }
```

Red arrows indicate the flow of information: one arrow points from the error message to the code, and another points from the code to the error message. A text box explains the error: "The JavaScript error in this case was caused by an upper case letter 'D'. It should have been a lower case letter 'd'." The text box also points to the `Document` object in the code.

This is what the *Tutorial 1* Web page named [mpl.htm](#) should look like when all the JavaScript errors have been fixed.

