

Exercise: Java and JavaScript

This exercise will give you a very simple example of how a browser can interact with a Java applet via JavaScript.

1. The Exercise

Enter the following Java code into a file called *Commune.java*:

```
import java.awt.*;

public class Commune extends java.applet.Applet
{
    public void red ()
    {
        setBackground (Color.red);
        repaint ();
    }

    public void blue ()
    {
        setBackground (Color.blue);
        repaint ();
    }
}
```

2. Compile the applet

Use the command:

```
C:> javac Commune.java
C:>
```

3. The HTML File

You should create this file with the name *Commune.html*:

```
<HTML>
<HEAD>
<TITLE>
Communing with JavaScript
</TITLE>

<SCRIPT LANGUAGE="JavaScript">
function red ()
{
    document.Commune.red ()
}

function blue ()
{
    document.Commune.blue ()
}
</SCRIPT>
</HEAD>

<APPLET
    CODE = "Commune.class" NAME = "Commune" WIDTH = 200 HEIGHT = 200 MAYSCRIPT>
</APPLET>

<FORM>
<INPUT TYPE = "button" VALUE = "Red" onclick = "red()">
<INPUT TYPE = "button" VALUE = "Blue" onclick = "blue()">
</FORM>
</HTML>
```

4. Run the applet within a browser

This applet should run within either Internet Explorer or Netscape, as long as they are recent versions that 'understand' Java. Try clicking on the buttons to see what happens...