

Exercise: EchoWorld Applet And Application

This exercise should allow you to develop a simple combination applet and application that knows how to deal with command line and context-supplied parameters.

1. Create The Java Source Code

Create a text file called EchoWorld.java, containing the following Java code:

```
import java.awt.*;
import java.applet.*;

public class EchoWorld extends Applet
{
    public static void main (String [] args)
    {
        for (int i = 0; i < args.length; i ++)
            System.out.println (args [i]);
    }

    public void paint (Graphics g)
    {
        int nParams = 0;
        try
        {
            nParams = Integer.parseInt (getParameter ("nParams"));
        }
        catch (NumberFormatException nfe)
        {
            // ignore!
        }
        for (int i = 0; i < nParams; i ++)
            g.drawString (getParameter ("P" + i), 20, 20 + (i * 14));
    }
}
```

2. Compile The Java Source

```
C:> javac EchoWorld.java
C:>
```

3. Run The Application

```
C:> java EchoWorld Hello World
C>:
```

4. Create The HTML Document Containing The Applet

Create a text file called EchoWorldPage.html, containing:

```
<HTML>
<HEAD>
<TITLE>EchoWorld Applet</TITLE>
</HEAD>
<BODY>
<HR>
<APPLET CODE=EchoWorld WIDTH = 200 HEIGHT = 200>
<PARAM NAME = "nParams" VALUE = "2">
<PARAM NAME = "P0" VALUE = "Hello">
<PARAM NAME = "P1" VALUE = "There!">
</APPLET>
<HR>
</BODY>
</HTML>
```

5. Invoke The Applet

```
C:> appletviewer EchoWorldPage.html
```

You can also use any Java-enabled World-Wide Web browser to view the EchoWorldPage.html file—you should see similar results with each.