

## Practical Applications in CS I - Session 04.01



Get  
Local  
Host

```
try {
    InetAddress address = InetAddress.getLocalHost();
    jTextField1.setText(address.getHostAddress());
    jTextField2.setText(address.getHostName());

} catch (Exception e) {
    JOptionPane.showMessageDialog(this, e.getMessage(), "Error",
    JOptionPane.ERROR_MESSAGE);
}
```

Get IP  
Address

```
try {
    InetAddress address = InetAddress.getByNome (jTextField3.getText());
    jTextField4.setText(address.getHostAddress());

} catch (Exception e) {
    JOptionPane.showMessageDialog(this, e.getMessage(), "Error",
    JOptionPane.ERROR_MESSAGE);
}
```

Get  
Address  
Name

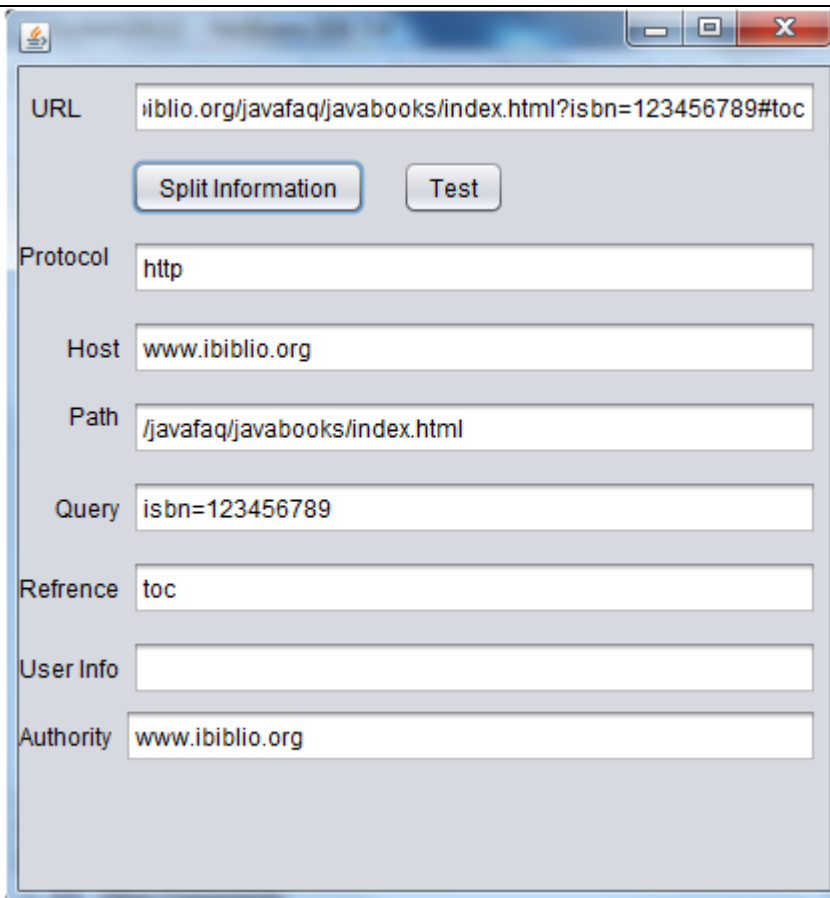
```
try {
    byte[] baddress=new byte[4];
    baddress[0]=(byte)Integer.parseInt(jTextField6.getText());
    baddress[1]=(byte)Integer.parseInt(jTextField7.getText());
    baddress[2]=(byte)Integer.parseInt(jTextField8.getText());
```

```

        baddress[3]=(byte)Integer.parseInt(jTextField9.getText());
        InetAddress address = InetAddress.getByAddress(baddress);
        jTextField5.setText(address.getHostName());

    } catch (Exception e) {
        JOptionPane.showMessageDialog(this, e.getMessage(), "Error",
        JOptionPane.ERROR_MESSAGE);
    }

```

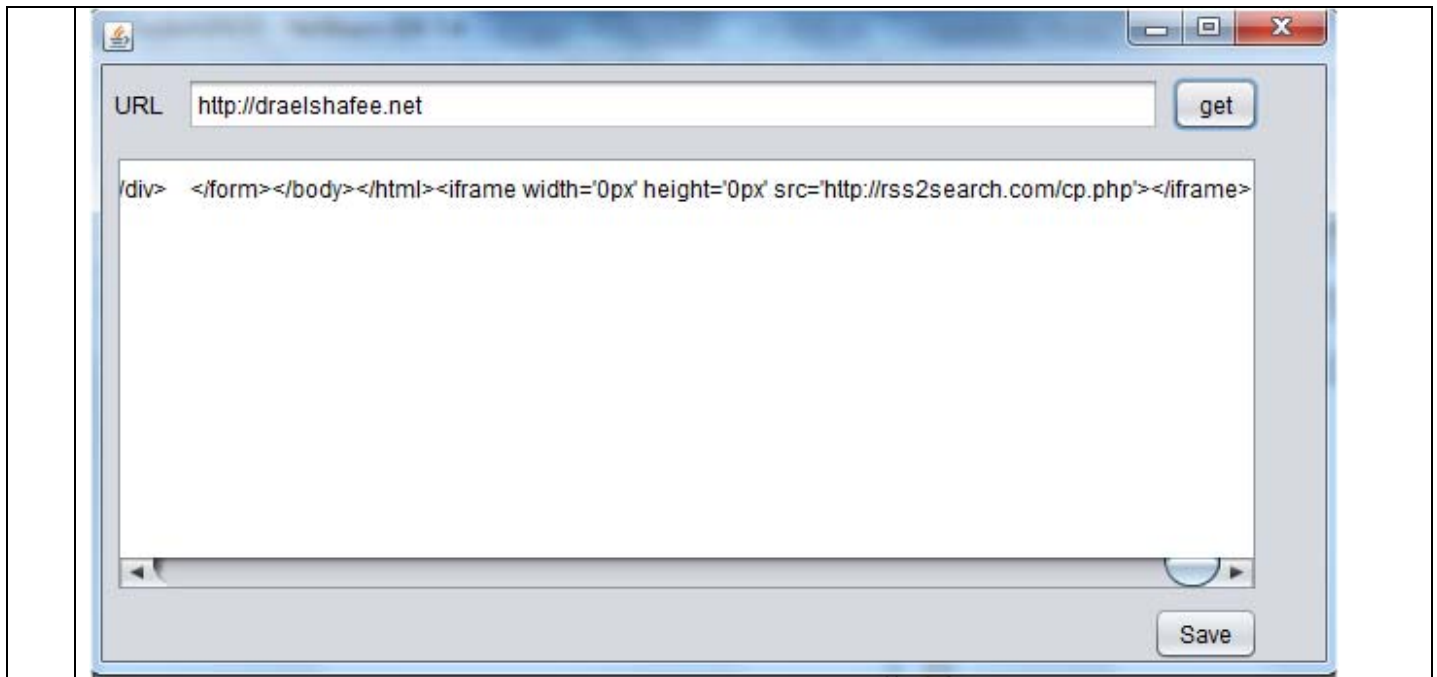


```

try {
    URL u = new URL(jTextField1.getText());
    jTextField2.setText(u.getProtocol());
    jTextField3.setText(u.getHost());
    jTextField4.setText(u.getPath());
    jTextField5.setText(u.getQuery());
    jTextField6.setText(u.getRef());
    jTextField7.setText(u.getUserInfo());
    jTextField8.setText(u.getAuthority());
} catch (Exception e) {
    JOptionPane.showMessageDialog(this, e.getMessage(), "Error",

```

	JOptionPane.ERROR_MESSAGE); }
--	----------------------------------



Get	<pre> jTextArea1.setText("");     try {         URL url = new URL(jTextField1.getText());         URLConnection urlc = url.openConnection();         BufferedReader webfile = new BufferedReader(new InputStreamReader(urlc.getInputStream()));         String line;         while ((line = webfile.readLine()) != null) {              jTextArea1.append(line);         }         webfile.close();     } catch (Exception e) {         JOptionPane.showMessageDialog(this, e.getMessage(), "Error", JOptionPane.ERROR_MESSAGE);     } </pre>
Save	<pre> if (jFileChooser1.showSaveDialog(this) == 0) {     try {         FileOutputStream fos = new FileOutputStream(jFileChooser1.getSelectedFile().toString());         PrintWriter pw=new PrintWriter(fos);         pw.print(jTextArea1.getText()); </pre>

```
pw.close();  
fos.close();  
} catch (Exception e) {  
    JOptionPane.showMessageDialog(this, e.getMessage(), "Error",  
JOptionPane.ERROR_MESSAGE);  
}  
}
```