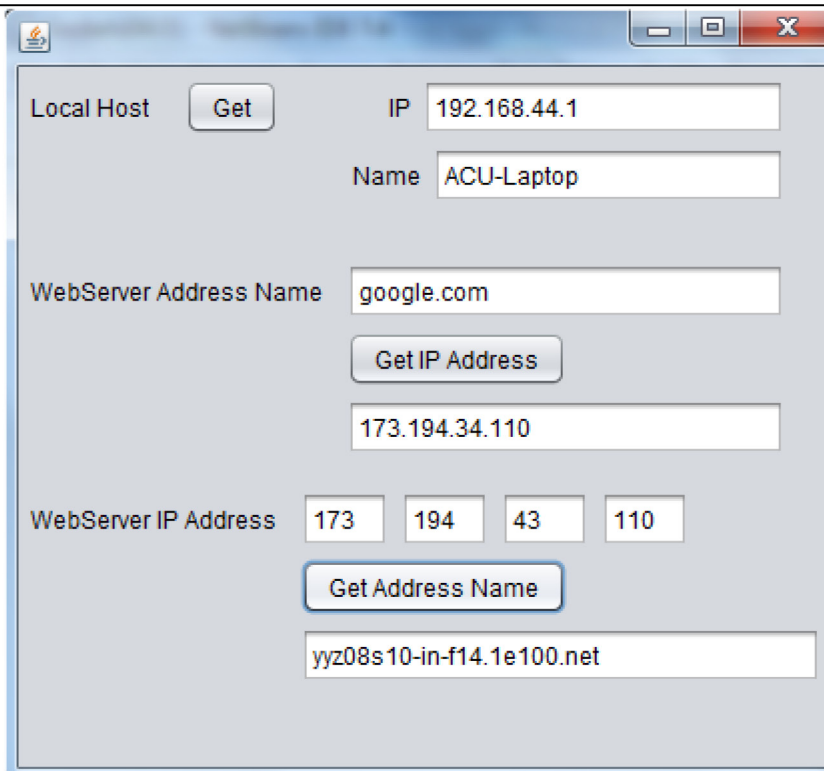


Practical Applications in CS I - Session 04.01



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

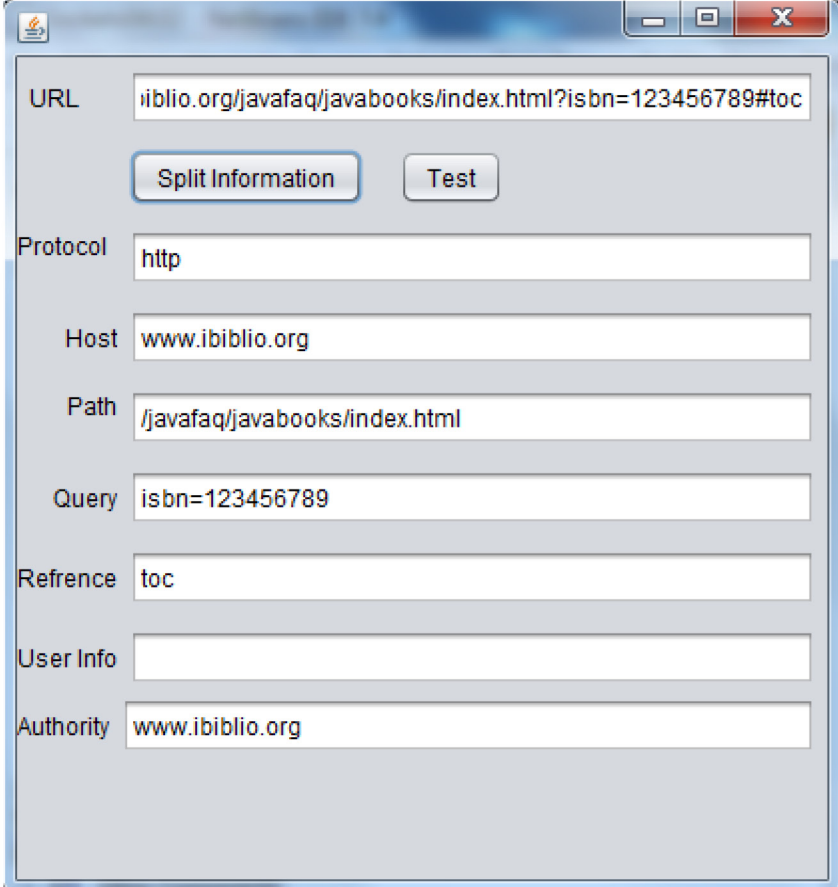
```
try {
    InetAddress address = InetAddress.getByName (jTextField3.getText());
    jTextField4.setText(address.getHostAddress());

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

Get
Address
Name

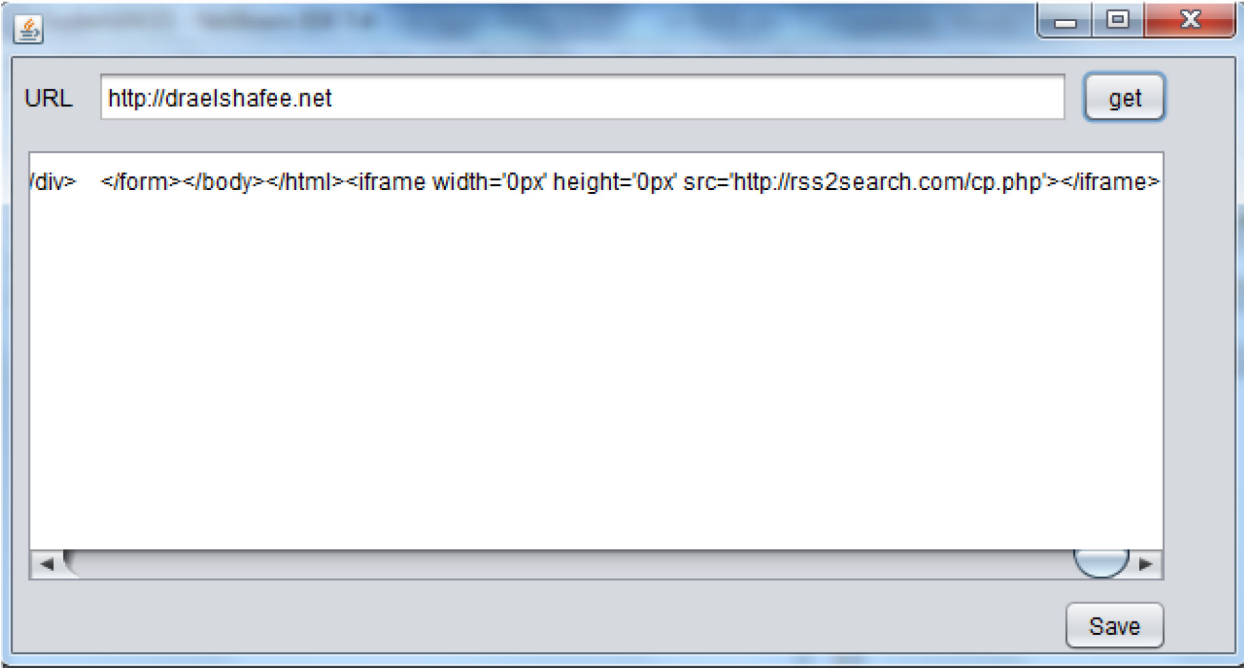
```
try {
    byte[] baddress=new byte[4];
    baddress[0]=(byte)Integer.parseInt(jTextField6.getText());
    baddress[1]=(byte)Integer.parseInt(jTextField7.getText());
    baddress[2]=(byte)Integer.parseInt(jTextField8.getText());
```

		<pre> 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); } </pre>
--	--	---



		<pre> 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", </pre>
--	--	--

		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>

		<pre>pw.close(); fos.close(); } catch (Exception e) { JOptionPane.showMessageDialog(this, e.getMessage(), "Error", JOptionPane.ERROR_MESSAGE); } }</pre>
--	--	--