Accelerating Information Technology Innovation

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India Summer 2012
Review Session – Accessing the Web
Accessing the Web
Accessing the Web

*Open an HttpURLConnection to*

<http://pipian.com/ip.php>
Accessing the Web

To connect via a proxy:

```java
public class MyProgram {
    public static void main(String[] args) {
        URL url = new URL("http://pipian.com/ip.php");
        HttpURLConnection c = (HttpURLConnection) url.openConnection();
    }
}
```
Accessing the Web

To connect via a proxy:

```java
public class MyProgram {
    public static void main(String[] args) {
        URL url = new URL("http://pipian.com/ip.php");
        Proxy p = new Proxy(
            Proxy.Type.SOCKS,
            new InetSocketAddress("proxy.example.com", 80)); // port
        // OR Proxy.Type.DIRECT if no proxy...
        // OR Proxy.Type.HTTP if an HTTP proxy...
        HttpURLConnection c = (HttpURLConnection) ip.openConnection(p);
    }
}
```

See also: [http://stackoverflow.com/questions/1626549/](http://stackoverflow.com/questions/1626549/)
Accessing the Web

To connect via a proxy on Android, see
Accessing the Web

Read in characters from the connection.
Write them to a StringBuffer.

Close the connection.
public class MyProgram {
    public static void main(String[] args) {
        // Previous code, and then...
        InputStream is = c.getInputStream();
        BufferedReader r = new BufferedReader(new InputStreamReader(is));
        StringBuffer sb = new StringBuffer();
        String s;
        while ((s = r.readLine()) != null) {
            sb.append(s);
        }
        c.disconnect();
    }
}
Accessing the Web

Convert the StringBuffer to a String and print it.
public class MyProgram {
    public static void main(String[] args) {
        // Previous code, and then...
        System.out.println(sb.toString());
    }
}