



Practical Servlet - Request Redirection

6

* requestForm.jsp

```
<html>
```

```
<head>
```

```
<title>Request Redirection </title>
```

```
</head>
```

```
<body>
```

```
<h2>Enter the URL to redirect to: </h2>
```

```
<form action = "RedirectServlet" method = "POST">
```

```
<label for = "location">URL: </label>
```

```
<input type = "text" id = "location" name = "location"  
placeholder = "Enter the URL" required />
```

```
<input type = "Submit" value = "Go" />
```

```
</form>
```

```
</body>
```

```
</html>
```


* RedirectServlet.java

```
import javax.servlet.*;  
import javax.servlet.http.*;  
import java.io.*;  
import java.util.regex.*;
```

```
public class RedirectServlet extends HttpServlet {
```

⑨ Override

```
protected void doGet (HttpServletRequest request,  
                      HttpServletResponse response)  
    throws ServletException, IOException {  
    handleRedirect (request, response);  
}
```

⑨ Override

```
protected void doPost (HttpServletRequest request,  
                      HttpServletResponse response)  
    throws ServletException, IOException {  
    handleRedirect (request, response);  
}
```

```
private void handleRedirect (HttpServletRequest  
                             request,  
                             HttpServletResponse response)  
    throws ServletException, IOException {
```

```
    String location = request.getParameter("location");
```




```
if (location == null || location.isEmpty()) {  
    response.getWriter().println("URL cannot be  
        empty!");  
}
```

```
    return;  
}
```

```
String regex = "^(https?|ftp)://.*$";  
Pattern pattern = Pattern.compile(regex);  
Matcher matcher = pattern.matcher(location);
```

```
if (matcher.matches()) {  
    response.sendRedirect(location);  
} else {  
    response.getWriter().println("Invalid URL!");  
}
```

```
    }  
}
```

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