

7. Write a program to demonstrate a Session Tracking using URL Rewrite.

```
Html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1>URL Rewrite Session </h1>
<div id="content">
<!-- Dynamic content from the servlet will be inserted here
-->
</div>
<script>
// Make an AJAX request to the servlet to retrieve dynamic
content
var xhr = new XMLHttpRequest();
xhr.open('GET', 'URLRewriteSession', true);
xhr.onreadystatechange = function() {
    if (xhr.readyState === 4 && xhr.status === 200) {
        document.getElementById('content').innerHTML =
xhr.responseText;
    }
};
    xhr.send();
</script>
</body>
</html>
```

Servlet code

```
package Phase2;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
/**
 * Servlet implementation class URLRewriteSession
 */
@WebServlet("/URLRewriteSession")
public class URLRewriteSession extends HttpServlet {
```

```

        private static final long serialVersionUID = 1L;
        protected void doGet(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException {

            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            HttpSession session = request.getSession();
            String sessionId = session.getId();
            // Check if a session ID already exists
            if (sessionId != null) {
                out.println("<h2>Welcome back!</h2>");
                out.println("<p>Your session ID: " + sessionId
+ "</p>");
            }
            else {
                out.println("<h2>Welcome!</h2>");
                out.println("<p>A new session ID has been
created.</p>");
            }
            out.close();
        }
    }
}

```

web.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
id="WebApp_ID" version="4.0">
    <display-name>Demo</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.jsp</welcome-file>
        <welcome-file>default.htm</welcome-file>
    </welcome-file-list>

    <display-name>URLRewriteSession</display-name>
    <servlet>
        <servlet-name>URLRewriteSession</servlet-name>
        <servlet-class>URLRewriteSession</servlet-class>
    </servlet>

```

```
</servlet>
<servlet-mapping>
<servlet-name>URLRewriteSession</servlet-name>
<url-pattern>/URLRewriteSession</url-pattern>
</servlet-mapping>

</web-app>
```

Output ;-

