1. Using Cookies

Index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Cricket Themed Welcome Page</title>
  <style>
    body {
       background-image: url("cricket_field.jpg");
       background-size: cover;
       font-family: Arial, sans-serif;
       font-size: xx-large;
       background-color: #f4f4f4;
       margin: 0;
       padding: 0;
    }
     .container {
       text-align: center;
       padding: 50px;
    }
     .title {
       font-size: 2.5em;
       color: #2a2a2a;
       margin-bottom: 20px;
     .link-button {
       display: inline-block;
       padding: 15px 25px;
       font-size: 1.2em;
       color: white;
       background-color: #4caf50;
       text-decoration: none;
       border-radius: 5px;
       margin-top: 20px;
     .link-button:hover {
       background-color: #45a049;
  </style>
```

```
</head>
<body>
  <div class="container">
     <div class="title">Welcome to the Cricket Themed Page!</div>
     <a href="cricketPage" class="link-button">Enter Cricket Page</a>
  </div>
</body>
</html>
CricketPageServlet.java:
@WebServlet("/cricketPage")
public class CricketPageServlet extends HttpServlet {
  @Override
  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
     String userName = null;
     String theme = "default";
     int visitCount = 0;
     Cookie[] cookies = request.getCookies();
     if (cookies != null) {
       for (Cookie cookie : cookies) {
         switch (cookie.getName()) {
            case "userName":
              userName = cookie.getValue();
              break:
            case "theme":
              theme = cookie.getValue();
              break;
            case "visitCount":
              visitCount = Integer.parseInt(cookie.getValue());
              break;
         }
    }
     visitCount++:
     Cookie visitCookie = new Cookie("visitCount", Integer.toString(visitCount));
     visitCookie.setMaxAge(60 * 60 * 24); // 1 day
     response.addCookie(visitCookie);
     response.setContentType("text/html");
```

```
PrintWriter out = response.getWriter();
     out.println("<html><body>");
     out.println("<h1>Cricket Themed Page</h1>");
     if (userName != null) {
       out.println("Welcome back, " + userName + "!");
    } else {
       out.println("Welcome to our cricket page!");
     out.println("Number of visits: " + visitCount + "");
     out.println("Current theme: " + theme + "");
     out.println("<form method='POST' action='cricketPage'>");
     out.println("Name: <input type='text' name='userName'><br>");
     out.println("<input type='submit' value='Save Name'>");
     out.println("</form>");
     out.println("<a href='theme'>Change Theme</a>");
     out.println("</body></html>");
  }
  @Override
  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
     String userName = request.getParameter("userName");
     if (userName != null && !userName.trim().isEmpty()) {
       Cookie userCookie = new Cookie("userName", userName);
       userCookie.setMaxAge(60 * 60 * 24 * 30); // 30 days
       response.addCookie(userCookie);
    }
     response.sendRedirect("cricketPage");
  }
}
web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"</pre>
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
     http://java.sun.com/xml/ns/javaee/web-app 3 0.xsd"
     version="3.0">
  <!-- Welcome Page -->
  <welcome-file-list>
     <welcome-file>index.html</welcome-file>
```

```
</welcome-file-list>
  <!-- Cricket Page Servlet -->
  <servlet>
    <servlet-name>CricketPageServlet</servlet-name>
    <servlet-class>com.example.CricketPageServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>CricketPageServlet</servlet-name>
    <url>pattern>/cricketPage</url-pattern>
  </servlet-mapping>
  <!-- Theme Selector Servlet -->
  <servlet>
    <servlet-name>CricketThemeServlet/servlet-name>
    <servlet-class>com.example.CricketThemeServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>CricketThemeServlet/servlet-name>
    <url-pattern>/theme</url-pattern>
  </servlet-mapping>
</web-app>
```

2. Using HTTP Session

Cricket Theme Session Handling

SessionServlet.java

```
@WebServlet("/cricketPage")
public class CricketSessionServlet extends HttpServlet {
  @Override
  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    HttpSession session = request.getSession(true);
    String userName = (String) session.getAttribute("userName");
    Integer visitCount = (Integer) session.getAttribute("visitCount");
    if (visitCount == null) {
       visitCount = 0;
    }
    visitCount++;
    session.setAttribute("visitCount", visitCount);
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    out.println("<h1>Cricket Themed Page</h1>");
    if (userName != null) {
       out.println("Welcome back, " + userName + "!");
    } else {
       out.println("Welcome to our cricket page!");
    out.println("Number of visits: " + visitCount + "");
    out.println("<form method='POST' action='cricketPage'>");
    out.println("Name: <input type='text' name='userName'><br>");
    out.println("<input type='submit' value='Save Name'>");
    out.println("</form>");
    out.println("<a href='theme'>Change Theme</a>");
    out.println("</body></html>");
  }
  @Override
  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
```

```
String userName = request.getParameter("userName");
     if (userName != null && !userName.trim().isEmpty()) {
       HttpSession session = request.getSession(true);
       session.setAttribute("userName", userName);
    }
    response.sendRedirect("cricketPage");
  }
}
web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"</pre>
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
     http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
     version="3.0">
  <!-- Welcome Page -->
  <welcome-file-list>
     <welcome-file>index.html</welcome-file>
  </welcome-file-list>
  <!-- Cricket Page Servlet -->
  <servlet>
     <servlet-name>CricketPageServlet</servlet-name>
     <servlet-class>com.example.CricketPageServlet</servlet-class>
  </servlet>
  <servlet-mapping>
     <servlet-name>CricketPageServlet</servlet-name>
     <url-pattern>/cricketPage</url-pattern>
  </servlet-mapping>
  <!-- Theme Selector Servlet -->
  <servlet>
     <servlet-name>CricketThemeServlet</servlet-name>
     <servlet-class>com.example.CricketThemeServlet</servlet-class>
  </servlet>
  <servlet-mapping>
     <servlet-name>CricketThemeServlet</servlet-name>
     <url-pattern>/theme</url-pattern>
  </servlet-mapping>
```

4. Using Hidden Form Fields

CricketPageServlet.java:

```
@WebServlet("/cricketPage")
public class CricketPageServlet extends HttpServlet {
  @Override
  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    String userName = request.getParameter("userName");
    String visitCountParam = request.getParameter("visitCount");
    int visitCount = visitCountParam != null ? Integer.parseInt(visitCountParam) : 0;
    visitCount++;
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    out.println("<h1>Cricket Themed Page</h1>");
    if (userName != null) {
       out.println("Welcome back, " + userName + "!");
    } else {
       out.println("Welcome to our cricket page!");
    out.println("Number of visits: " + visitCount + "");
    out.println("<form method='POST' action='cricketPage'>");
    out.println("Name: <input type='text' name='userName'><br>");
    out.println("<input type='hidden' name='visitCount' value='" + visitCount + "'>");
    out.println("<input type='submit' value='Save Name'>");
    out.println("</form>");
    out.println("<a href='theme'>Change Theme</a>");
    out.println("</body></html>");
  }
```

```
@Override
  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
     String userName = request.getParameter("userName");
     String visitCount = request.getParameter("visitCount");
     response.sendRedirect("cricketPage?userName=" + userName + "&visitCount=" +
visitCount);
  }
}
web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"</pre>
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
     http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
     version="3.0">
  <!-- Welcome Page -->
  <welcome-file-list>
     <welcome-file>index.html</welcome-file>
  </welcome-file-list>
  <!-- Cricket Page Servlet -->
  <servlet>
     <servlet-name>CricketPageServlet</servlet-name>
     <servlet-class>com.example.CricketPageServlet</servlet-class>
  </servlet>
  <servlet-mapping>
     <servlet-name>CricketPageServlet</servlet-name>
     <url-pattern>/cricketPage</url-pattern>
  </servlet-mapping>
  <!-- Theme Selector Servlet -->
  <servlet>
     <servlet-name>CricketThemeServlet</servlet-name>
     <servlet-class>com.example.CricketThemeServlet</servlet-class>
  </servlet>
  <servlet-mapping>
     <servlet-name>CricketThemeServlet/servlet-name>
     <url-pattern>/theme</url-pattern>
  </servlet-mapping>
```

3. Using URL Rewriting

CricketPageServlet.java:

```
@WebServlet("/cricketPage")
public class CricketPageServlet extends HttpServlet {
  @Override
  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
     String userName = request.getParameter("userName");
     String visitCountParam = request.getParameter("visitCount");
     int visitCount = visitCountParam != null ? Integer.parseInt(visitCountParam) : 0;
     visitCount++;
     response.setContentType("text/html");
     PrintWriter out = response.getWriter();
     out.println("<html><body>");
     out.println("<h1>Cricket Themed Page</h1>");
     if (userName != null) {
       out.println("Welcome back, " + userName + "!");
    } else {
       out.println("Welcome to our cricket page!");
     out.println("Number of visits: " + visitCount + "");
     out.println("<form method='GET' action='cricketPage'>");
     out.println("Name: <input type='text' name='userName'><br>");
     out.println("<input type='hidden' name='visitCount' value='" + visitCount + "'>");
     out.println("<input type='submit' value='Save Name'>");
     out.println("</form>");
     out.println("<a href='theme'>Change Theme</a>");
     out.println("</body></html>");
  }
}
```

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Cricket Themed Welcome Page</title>
  <style>
    body {
       background-image: url("cricket_field.jpg");
       background-size: cover;
       font-family: Arial, sans-serif;
       font-size: xx-large;
       background-color: #f4f4f4;
       margin: 0;
       padding: 0;
     .container {
       text-align: center;
       padding: 50px;
    }
     .title {
       font-size: 2.5em;
       color: #2a2a2a;
       margin-bottom: 20px;
    }
     .link-button {
       display: inline-block;
       padding: 15px 25px;
       font-size: 1.2em;
       color: white;
       background-color: #4caf50;
       text-decoration: none;
       border-radius: 5px;
       margin-top: 20px;
     .link-button:hover {
       background-color: #45a049;
    }
  </style>
</head>
<body>
```

```
<div class="container">
    <div class="title">Welcome to the Cricket Themed Page!</div>
    <a href="cricketPage?visitCount=0" class="link-button">Enter Cricket Page</a>
  </div>
</body>
</html>
web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"</pre>
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
     http://java.sun.com/xml/ns/javaee/web-app 3 0.xsd"
     version="3.0">
  <!-- Welcome Page -->
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
  </welcome-file-list>
  <!-- Cricket Page Servlet -->
  <servlet>
    <servlet-name>CricketPageServlet</servlet-name>
    <servlet-class>com.example.CricketPageServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>CricketPageServlet</servlet-name>
    <url>pattern>/cricketPage</url-pattern>
  </servlet-mapping>
  <!-- Theme Selector Servlet -->
  <servlet>
    <servlet-name>CricketThemeServlet/servlet-name>
    <servlet-class>com.example.CricketThemeServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>CricketThemeServlet</servlet-name>
    <url-pattern>/theme</url-pattern>
  </servlet-mapping>
</web-app>
```