

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6
7 <TITLE>ch06 : footer.jsp</TITLE></HEAD>
8 <BODY>
9 footer.jsp에서 출력한 메시지 입니다.
10 <HR>
11 <%= request.getParameter("email") %>,
12 <%= request.getParameter("tel") %>
13
14 <%
15     out.println(request.getParameter("tel"));
16 %>
17 </BODY>
18 </HTML>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6
7 <TITLE>ch06 : include action 테스트</TITLE></HEAD>
8 <BODY>
9 <H2>include_action.jsp에서 footer.jsp 호출</H2>
10 <HR>
11 include_action.jsp에서 출력한 메시지입니다.<BR>
12
13 <jsp:include page="ch0601footer.jsp">
14   <jsp:param name="email" value="test@test.net" />
15   <jsp:param name="tel" value="000-000-0000" />
16 </jsp:include>
17 </BODY>
18 </HTML>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6 <TITLE>ch06 : include 지시어 테스트</TITLE></HEAD>
7 <BODY>
8 <div align="CENTER">
9 <H2> include 지시어 테스트</H2>
10 <HR>
11
12 <%@ include file="ch0602menu.jsp" %>
13 <P>
14 <table>
15   <tr>
16     <td><font size=-1><%@include file="ch0602news.jsp" %></font></td>
17     <td width="20">&ampnbsp</td>
18     <td><font size=-1><%@include file="ch0602shopping.jsp" %></font></td>
19   </tr>
20 </table>
21
22 </div>
23 </BODY>
24 </HTML>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2
3
4 [게임] [쇼핑] [뉴스]
5
6
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2
3
4 [최신 뉴스]<HR>
5 2017.00.00 : 웹 프로그래밍 출간 !!! <BR>
6 2017.00.00 : 스프링프레임워크 적용 확산.<BR>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2
3 [쇼핑정보] 최신 인기 상품 정보입니다.<HR>
4 1. 최신 스마트폰 <BR>
5 2. 10.1인치 최신 태블릿 PC <BR>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <%--
4     <jsp:foward> 액션 태그를 실행하면
5     생성했던 출력 결과는 모두 제거된다.
6 --%>
7 <html>
8 <head><title>from.jsp의 제목</title></head>
9 <body>
10 <!-->
11     이 페이지는 from.jsp가 생성한 것입니다.
12
13 <jsp:forward page="ch0603to.jsp" />
14
15 </body>
16 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head><title>to.jsp의 실행 결과</title></head>
5 <body>
6
7 이 페이지는 to.jsp가 생성한 것입니다.
8
9 </body>
10 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head><title>A 폴더[</title></head>
5 <body>
6
7 ◇ 폴더이름은 <b><font size="5">A</font></b> 입니다.
8
9 </body>
10 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head><title>B 폐이지</title></head>
5 <body>
6
7 <b> 폐이지는 <b><font size="5">B</font></b> 입니다.
8
9 </body>
10 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head><title>C 폴더|</title></head>
5 <body>
6
7 <b>이 폴더는 <font size="5">C</font></b>입니다.
8
9 </body>
10 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head><title>옵션 선택 화면</title></head>
5 <body>
6
7 <form action="<%= request.getContextPath() %>/ch06/ch0604view.jsp">
8
9 보고 싶은 페이지 선택:
10   <select name="code">
11     <option value="A">A 페이지</option>
12     <option value="B">B 페이지</option>
13     <option value="C">C 페이지</option>
14   </select>
15
16 <input type="submit" value="이동">
17
18 </form>
19
20 </body>
21 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <%
3     String code = request.getParameter("code");
4     String viewPageURI = null;
5
6     if (code.equals("A")) {
7         viewPageURI = "ch0604a.jsp";
8     } else if (code.equals("B")) {
9         viewPageURI = "ch0604b.jsp";
10    } else if (code.equals("C")) {
11        viewPageURI = "ch0604c.jsp";
12    }
13 %>
14 <jsp:forward page="<%= viewPageURI %>" />
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <%@ page import = "java.util.Calendar" %>
3 <%
4   Calendar cal = Calendar.getInstance();
5   request.setAttribute("time", cal);
6 %>
7 <jsp:forward page="ch0605viewTime.jsp" />
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
2 <%@ page import = "java.util.Calendar" %>
3 <!DOCTYPE html>
4 <html>
5 <head><title>현재 시간</title></head>
6 <body>
7
8 <%
9   Calendar cal = (Calendar)request.getAttribute("time");
10 %>
11 현재 시간은 <%= cal.get(Calendar.HOUR_OF_DAY) %>시
12      <%= cal.get(Calendar.MINUTE) %>분
13      <%= cal.get(Calendar.SECOND) %>초 입니다.
14 </body>
15 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8" isErrorPage="true"%>
3 <!DOCTYPE html>
4 <HTML>
5 <head>
6 <title>ch07 : 에러페이지</title>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 </head>
9 <body>
10  <div align="center">
11    <H2>처리중 문제가 발생했습니다</H2>
12    <HR>
13    <table>
14      <tr bgcolor="pink">
15        <td>관리자에게 문의해 주세요..<BR> 빠른시일내 복구하겠습니다.
16        <HR> <%=exception%>
17        <HR>
18      </td>
19    </tr>
20  </table>
21 </div>
22 </body>
23 </HTML>
24 <!--
25 =====
26 =====
27 =====
28 =====
29 =====
30 =====
31 =====
32 =====
33 =====
34 =====
35 =====
36 =====
37 =====
38 =====
39 =====
40 =====
41 =====
42 =====
43 =====
44 =====
45 =====
46 =====
47 =====
48 =====
49 =====
50 =====
51 -->
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <%@ page errorPage="ch0701error.jsp"%>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8
9 <TITLE>ch07 :Error Test</TITLE>
10 </HEAD>
11
12 <BODY>
13   <H2>Error 테스트 페이지</H2>
14   <%
15     String str = "test";
16     int i = Integer.parseInt(str);
17   %>
18 </BODY>
19 </HTML>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <%@ page isErrorPage="true" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 <h1>요청하신 페이지가 존재하지 않습니다.</h1>
12 주소를 올바르게 입력했는지 확인하십시오.
13 <!--
14 abcdefghijklmnop
15 abcdefghijklmnop
16 abcdefghijklmnop
17 abcdefghijklmnop
18 abcdefghijklmnop
19 abcdefghijklmnop
20 abcdefghijklmnop
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36 abcdefghijklmnop
37 abcdefghijklmnop
38 abcdefghijklmnop
39 abcdefghijklmnop
40 abcdefghijklmnop
41 abcdefghijklmnop
42 이스플로리에서는 용량이 일정 크기 이하이면 출력결과값이 다르므로 용량제한을 맞추기 위해
적음.
43 -->
44 </body>
45 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <%@ page isErrorPage="true" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 요청하신 페이지는 내부 에러입니다.
12 <!--
13 abcdefghijklmnop
14 abcdefghijklmnop
15 abcdefghijklmnop
16 abcdefghijklmnop
17 abcdefghijklmnop
18 abcdefghijklmnop
19 abcdefghijklmnop
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35 abcdefghijklmnop
36 abcdefghijklmnop
37 abcdefghijklmnop
38 abcdefghijklmnop
39 abcdefghijklmnop
40 abcdefghijklmnop
41 익스플로리에서는 용량이 일정 크기 이하이면 출력결과값이 다르므로 용량제한을 맞추기 위해
42 적음.
43 -->
44 </body>
45 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <%@ page isErrorPage="true" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 요청하신 페이지는 nullpointerError가 발생했습니다.
12 <!--
13 abcdefghijklmnop
14 abcdefghijklmnop
15 abcdefghijklmnop
16 abcdefghijklmnop
17 abcdefghijklmnop
18 abcdefghijklmnop
19 abcdefghijklmnop
20 abcdefghijklmnop
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36 abcdefghijklmnop
37 abcdefghijklmnop
38 abcdefghijklmnop
39 abcdefghijklmnop
40 abcdefghijklmnop
41 익스플로리에서는 용량이 일정 크기 이하이면 출력결과값이 다르므로 용량제한을 맞추기 위해
적음.
42 -->
43 </body>
44 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8" %>
3 <%--
4 <%@ page errorPage="error.jsp" %>
5 --%>
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="UTF-8">
10 <title>Insert title here</title>
11 </head>
12 <body>
13 name Parameter : <%= request.getParameter("name").toUpperCase() %>
14 <%--  
15 getParameter() 메소드에 전달된 값이 null인데 toUpperCase() 메소드를 사용하였으므로 500(서버  
내부 에러) 발생  
16 예를 들어 divide by 0 등 JSP 내부에서 예외가 발생하는 경우가 해당됨  
17 --%>
18 </body>
19 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 <a href = "aa.jsp">연습</a>
12 </body>
13 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10 <%= 10/0 %>
11 </body>
12 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 <%
12     Cookie[] cookies = request.getCookies();
13     for(int i=0; i<cookies.length; i++) {
14         String str = cookies[i].getName();
15         if("cookieN".equals(str)) {
16             out.println("name : " + cookies[i].getName() + " deleted! <br />");
17             cookies[i].setMaxAge(0);
18             response.addCookie(cookies[i]);
19         }
20     }
21 %>
22
23 <br><br>
24 <a href="ch0801cookietest.jsp">쿠키 확인</a>
25
26 </body>
27 </html>
28
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11    <%
12        Cookie[] cookies = request.getCookies();
13
14        for(int i=0; i<cookies.length; i++) {
15            String str = cookies[i].getName();
16            if(str.equals("cookieN")) {
17                out.println("cookies[" + i + "] name : " + cookies[i].getName() + "<br />");
18                out.println("cookies[" + i + "] value : " + cookies[i].getValue() + "<br />");
19                out.println("======<br />");
20            }
21            out.println("cookies[" + i + "] name : " + cookies[i].getName() + "<br />");
22            out.println("cookies[" + i + "] value : " + cookies[i].getValue() + "<br />");
23            out.println("======<br />");
24        }
25    %>
26
27    <br><br>
28    <a href="ch0801cookiedel.jsp">cookie delete</a>
29
30
31 </body>
32 </html>
33
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10    <%
11        Cookie cookie = new Cookie("cookieN", "cookieV");
12        cookie.setMaxAge(60*60); //1시간
13        response.addCookie(cookie);
14    %>
15    쿠키생성 ("cookieN", "cookieV")
16    <br><br>
17    <a href="ch0801cookieget.jsp">cookie get</a>
18 </body>
19 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" %>
3 <%@ page session="false" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11
12 <%
13     Cookie[] cookies = request.getCookies();
14     if(cookies != null) {
15         for(int i=0; i<cookies.length; i++) {
16             out.println(cookies[i].getName() + "<br />");
17             out.println(cookies[i].getValue() + "<br />");
18         }
19     }
20 %>
21
22 <br><br>
23 <a href="ch0801cookieset.jsp">cookie set</a>
24
25 </body>
26 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"
   import="java.util.*"%>
2 <!DOCTYPE html>
3 <HTML>
4 <HEAD><TITLE>ch08 : session.jsp</TITLE></HEAD>
5 <BODY>
6 <div align="center">
7 <H2>session 예제 </H2>
8 <HR>
9 <%
10 // isNew() 메서드를 이용해 최초세션설정을 확인하고 있다.
11 if(session.isNew()) {
12     out.println("<script> alert('세션이 해제되어 다시설정합니다.') </script>");
13     session.setAttribute("login", "홍길동");
14 }
15 %>
16 # <%= session.getAttribute("login") %> 님 환영 합니다.!!!!<BR>
17 1. 세션 ID : <%= session.getId() %> <BR>
18 2. 세션 유지시간 : <%= session.getMaxInactiveInterval() %> <BR>
19
20 </div>
21 </BODY>
22 </HTML>
```

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Insert title here</title>
6 </head>
7 <body>
8
9   <form action="ch0812loginOk.jsp" method="post">
10     아이디 : <input type="text" name="id" size="10"> abcde<br />
11     비밀번호 : <input type="password" name="pw" size="10"> 12345<br />
12     <input type="submit" value="로그인">
13   </form>
14
15 </body>
16 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10    <%
11        String id, pw;
12    %>
13    <%
14        id = request.getParameter("id");
15        pw = request.getParameter("pw");
16
17        if("abcde".equals(id) && "12345".equals(pw)) {
18            session.setAttribute("id", id);
19            response.sendRedirect("ch0812welcome.jsp");
20        } else {
21            response.sendRedirect("ch0812login.html");
22        }
23    %>
24
25 </body>
26 </html>
```

```
1 <%@page import="java.util.Enumeration"%>
2 <%@ page language="java" contentType="text/html; charset=UTF-8"
3     pageEncoding="UTF-8"%>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11
12 <%
13 //    Enumeration<String> enumeration = session.getAttributeNames();
14 //    while(enumeration.hasMoreElements()) {
15 //        String sName = enumeration.nextElement().toString();
16 //        String sValue = (String)session.getAttribute(sName);
17 //
18 //        if(sValue.equals("abcde")) session.removeAttribute(sName);
19 //    }
20
21     session.removeAttribute("id");
22 %>
23
24 <a href="ch0812sessiontest.jsp">세션 내용 보기</a>
25
26 </body>
27 </html>
```

```
1 <%@page import="java.util.Enumeration"%>
2 <%@ page language="java" contentType="text/html; charset=UTF-8"
3     pageEncoding="UTF-8"%>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11
12 <%
13     Enumeration<String> enumeration = session.getAttributeNames();
14     int i = 0;
15     while(enumeration.hasMoreElements()) {
16         i++;
17
18         String sName = enumeration.nextElement().toString();
19         String sValue = (String)session.getAttribute(sName);
20
21         out.println("sName : " + sName + "<br />");
22         out.println("sValue : " + sValue + "<br />");
23     }
24
25     if(i == 0) out.println("해당 세션에 속한 객체가 없습니다." + "<br />"); %>
26
27 <a href="ch0812logout.jsp">로그아웃</a>
28
29 </body>
30 </html>
```

```
1 <%--@page import="java.util.Enumeration"--%>
2 <%@ page language="java" contentType="text/html; charset=UTF-8"
3     pageEncoding="UTF-8"%>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11
12 <%
13 //    Enumeration<String> enumeration = session.getAttributeNames();
14 //    while(enumeration.hasMoreElements()){
15 //        String sName = enumeration.nextElement().toString();
16 //        String sValue = (String)session.getAttribute(sName);
17 //
18 //        if(sValue.equals("abcde")) out.println(sValue + "님 안녕하세요." + "<br />");
19 //    }
20
21     String sValue = (String) session.getAttribute("id");
22     out.println(sValue + "님 안녕하세요." + "<br />");
23 %>
24
25 <a href="ch0812sessiontest.jsp">세션 내용 보기</a> <br>
26 <a href="ch0812logout.jsp">로그아웃</a>
27
28 </body>
29 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"
2 import="java.util.*"%>
3 <!DOCTYPE html>
4 <HEAD>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6 <title>add.jsp</title>
7 </HEAD>
8 <body>
9 <%
10    request.setCharacterEncoding("UTF-8");
11    String productname = request.getParameter("product");
12
13    @SuppressWarnings("unchecked")
14    ArrayList<String> list = (ArrayList<String>)session.getAttribute("productlist");
15    if(list == null) {
16        list = new ArrayList<String>();
17        session.setAttribute("productlist", list);
18    }
19    list.add(productname);
20
21 %>
22 <script>
23     alert("<%=productname %> ⓧ (가) 추가 되었습니다.!!");
24     history.go(-1);
25 </script>
26 </body>
27 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"
2 import="java.util.*"%>
3 <!DOCTYPE html>
4 <HEAD>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6 <title>checkOut.jsp</title>
7 </HEAD>
8 <body>
9 <div align="center">
10 <H2>제작</H2>
11 선택한 상품 목록
12 <HR>
13 <%
14     @SuppressWarnings("unchecked")
15     ArrayList<String> list = (ArrayList<String>)session.getAttribute("productlist");
16     if(list == null) {
17         out.println("선택한 상품이 없습니다.!!!!");
18     }
19     else {
20         for(Object productname:list) {
21             out.println(productname+"<BR>");
22         }
23     }
24     session.invalidate();
25 %>
26 </div>
27 </body>
28 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6 <title>login.jsp</title>
7 </head>
8 <body>
9 <div align="center">
10 <H2>로그인</H2>
11 <form name="form1" method="POST" action="ch0813selProduct.jsp">
12 <input type="text" name="username"/>
13 <input type="submit" value="로그인"/>
14 </form>
15 </div>
16 </body>
17 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"
2 import="java.util.*"%>
3 <!DOCTYPE html>
4 <HEAD>
5 <title>selProduct.jsp</title>
6 </head>
7 <%
8     request.setCharacterEncoding("UTF-8");
9     session.setAttribute("username", request.getParameter("username"));
10 %>
11 <body>
12 <div align="center">
13     <H2>상품선택</H2>
14     <HR>
15     <%=session.getAttribute("username") %> 님 환영합니다!!!!
16     <HR>
17     <form name="form1" method="POST" action="ch0813add.jsp">
18         <SELECT name="product">
19             <option>사과</option>
20             <option>귤</option>
21             <option>파인애플</option>
22             <option>자몽</option>
23             <option>레몬</option>
24         </SELECT>
25         <input type="submit" value="선택"/>
26     </form>
27     <a href="ch0813checkOut.jsp">계산</a>
28 </div>
29 </body>
30 </html>
31
32
33
34
```

```
1 <%@ page contentType="text/html; charset=UTF-8" %>
2 <jsp:useBean id="login" class="ch09.Ch0901LoginBean" scope="page" />
3 <jsp:setProperty name="login" property="*" />
4
5 <HTML>
6 <HEAD><TITLE>ch09 : login.jsp </TITLE></HEAD>
7 <BODY>
8 <div align=center>
9 <H2>로그인 예제</H2>
10 <HR>
11 <%
12     if(!login.checkUser()) {
13         out.println("로그인 실패 !!!");
14     }
15     else {
16         out.println("로그인 성공 !!!");
17     }
18 %>
19
20 <HR>
21 사용자 아이디 : <jsp:getProperty name="login" property="userid" /><BR>
22 사용자 패스워드 : <jsp:getProperty name="login" property="passwd" />
23
24 </div>
25 </BODY>
26 </HTML>
```

```
1 package ch09;
2
3 public class Ch0901LoginBean {
4
5     // 사용자로 부터 입력받은 아이디와 비밀번호 저장
6     private String userid;
7     private String passwd;
8
9     // DB로 부터 가져온 아이디와 비밀번호로 가정함
10    final String _userid="myuser";
11    final String _passwd="1234";
12
13    // 로그인 계정 정보가 맞는지 확인하는 메서드
14    public boolean checkUser() {
15        if(userid.equals(_userid)&&passwd.equals(_passwd)) {
16            return true;
17        }
18        else
19            return false;
20    }
21
22    public String getPasswd() {
23        return passwd;
24    }
25
26    public void setPasswd(String passwd) {
27        this.passwd = passwd;
28    }
29
30    public String getUserid() {
31        return userid;
32    }
33
34    public void setUserid(String userid) {
35        this.userid = userid;
36    }
37 }
```

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
5 <title>ch09 : 로그인</title>
6 </head>
7
8 <body bgcolor="#FFFFFF">
9   <div align=center>
10    <H2>ch09 : 로그인</H2>
11    <HR>
12
13   <form method="post" action="ch0901login.jsp" name="form1">
14     <table border="1">
15
16       <tr>
17         <td colspan="2" align="center">로그인</td>
18       </tr>
19       <tr>
20         <td>아이디</td>
21         <td><input type="text" name="userid" size=10></td>
22       </tr>
23       <tr>
24         <td>비밀번호</td>
25         <td><input type="password" name="passwd" size=10></td>
26       </tr>
27       <tr>
28         <td colspan="2" align="center"><input type="submit"
29           name="Submit" value="로그인"></td>
30       </tr>
31     </table>
32   </form>
33 </div>
34 </body>
35 </html>
```

```

1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8" import="java.sql.*"%>
3 <%
4   request.setCharacterEncoding("utf-8");
5
6   // 데이터베이스 연결관련 변수 선언
7   Connection conn          = null;
8   PreparedStatement pstmt = null;
9
10  // 데이터베이스 연결관련정보를 문자열로 선언
11  String jdbc_driver      = "oracle.jdbc.driver.OracleDriver";
12  String jdbc_url         = "jdbc:oracle:thin:@localhost:1521:XE";
13
14  try {
15    // JDBC 드라이버 로드
16    Class.forName(jdbc_driver);
17
18    // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
19    conn = DriverManager.getConnection(jdbc_url, "dev", "123456");
20
21    // Connection 클래스의 인스턴스로 부터 SQL 문 작성을 위한 Statement 준비
22    String sql = "insert into jdbc_test values(?,?)";
23    pstmt     = conn.prepareStatement(sql);
24    pstmt.setString(1, request.getParameter("username"));
25    pstmt.setString(2, request.getParameter("email"));
26
27    // username 값을 입력한 경우 sql 문장을 수행.
28    if (request.getParameter("username") != null) {
29      pstmt.executeUpdate();
30    }
31  } catch (Exception e) {
32    System.out.println(e);
33  }
34 %>
35 <!DOCTYPE html>
36 <HTML>
37 <HEAD>
38 <TITLE>JDBC 테스트</TITLE>
39 </HEAD>
40 <BODY>
41   <div align="center">
42     <H2>이벤트 등록</H2>
43     <HR>
44     <form name=form1 method=post action=ch1001jdbctest.jsp>
45       등록이름 : <input type=text name=username size=20/>
46       email주소 : <input type=text name=email size=20> <input type=submit value="등록"/>
47     </form>
48     <HR>
49   </div>
50   # 등록 목록
51   <P>
52   <%
53     try {
54       // select 문장을 문자열 형태로 구성한다.
55       String sql = "select username, email from jdbc_test";
56
57       pstmt     = conn.prepareStatement(sql);
58
59       // select 를 수행하면 데이터정보가 ResultSet 클래스의 인스턴스로 리턴됨.
60       ResultSet rs = pstmt.executeQuery();
61       int i = 1;
62
63       // 마지막 데이터까지 반복함.
64       while (rs.next()) {
65         out.println(i + " : " + rs.getString(1) + ", " + rs.getString("email") +
66                     "<BR>");
67         i++;
68       }
69
70       // 사용한 자원의 반납.
71       rs.close();
72       pstmt.close();
73       conn.close();
74     } catch (Exception e) {

```

```
74         System.out.println(e);
75     }
76 %>
77
78 </BODY>
79 </HTML>
```

```
1 CREATE TABLE JDBC_TEST
2 (
3     USERNAME    VARCHAR2(12),
4     EMAIL       VARCHAR2(50)
5 );
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <%@ page import="java.sql.*"%>
4 <%@ page import="javax.sql.*"%>
5 <%@ page import="javax.naming.*"%>
6
7 <h2> DBCP 테스트 </h2>
8
9 <%
10 Connection conn=null;
11 PreparedStatement pstmt = null;
12 ResultSet rs = null;
13
14 int cnt;
15
16 try{
17 //    String jdbcUrl = "jdbc:oracle:thin:@localhost:1521:XE";
18 //    String dbId      = "dev";
19 //    String dbPass    = "123456";
20 //    Class.forName("oracle.jdbc.driver.OracleDriver");
21 //    conn=DriverManager.getConnection(jdbcUrl, dbId, dbPass);
22
23 Context initCtx = new InitialContext();
24 Context envCtx = (Context) initCtx.lookup("java:/comp/env");
25 DataSource ds = (DataSource)envCtx.lookup("jdbc/jsp");
26 conn = ds.getConnection();
27
28 out.println("정상적으로 연결되었습니다. <br><br>");
29
30 pstmt = conn.prepareStatement("select count(*) from customer");
31 rs = pstmt.executeQuery();
32
33 if (rs.next()){
34     cnt = rs.getInt(1);
35     else
36         cnt = 0;
37
38 out.println("customer 테이블에 row가 " + cnt + " 건 있습니다.");
39
40 }catch(Exception e){
41     e.printStackTrace();
42 }
43 %>
```