

1. 다음 request3.html 문서로 실행해서 학번, 전공을 선택한 후 “보내기”버튼을 클릭할 경우 다음과 같은 결과화면이 출력되도록 빈 공간을 작성하시오.

The image shows two browser windows side-by-side. The left window has the address bar 'http://localhost:8080/2_chap5_2/request3.html' and the title '학생 정보 입력'. It contains a form with a text input for '학번' (Student ID) with the value '2017288', a dropdown menu for '전공' (Major) with '전산과' (Computer Science) selected, and a '보내기' (Submit) button. The right window has the address bar 'http://localhost:8080/2_chap5_2/request3.jsp' and the title '학생 정보 입력 결과'. It displays the submitted information: '학번 : 2017288' and '전공 : 전산과 기계과 자유전공과'.

request3.jsp

```
<html>
<head><meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>예제 request2</title></head>
<body>
<h2> 학생 정보 입력</h2>
<form method="post" action="request3.jsp">
    학번 : <input type="text" name="studentNum"><p>
    전공 : <select multiple name="major">
        <option SELECTED value="전산과">전산과 </option>
        <option value="국문과">국문과 </option>
        <option value="기계과">기계 </option>
        <option value="자유전공과">자유전공과 </option>
        <option value="경영학과">경영학과 </option>
    </select><p>
    <input type="submit" value="보내기">
</form>
</body></html>
```

request3.jsp

```
<%@ page language="java" contentType="text/html; charset=EUC-KR"
pageEncoding="EUC-KR"%>
<html><head>
<meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>JSP 예제 request2.jsp</title></head>
<body>
<% ____ (1) ____ . ____ (2) ____ ("euc-kr"); %>
<%
String studentNum = ____ (1) ____ . ____ (3) ____ ("studentNum");
String[] majors = ____ (1) ____ . ____ (4) ____ ("major");
%>
<h2> 학생 정보 입력 결과</h2>
학번 : <%= studentNum%><p>
전공 : <%
if (majors == null) {
out.println("전공 없음.");
} else {
for ( String ____ (5) ____ : ____ (6) ____ )
out.println(eachmajor + " ");
}
%>
</body></html>
```

(1)request

(2)setCharacterEncoding

(3)getParameter

(4) getParameterValues

(5)eachmajor

(6)majors

2. 다음 request3.html 문서로 실행해서 취미와 가보고 싶은 국가를 선택한 후 “보내기”버튼을 클릭할 경우 다음과 같은 결과화면이 출력되도록 빈 공간을 작성하시오.

request3.html	request3.jsp
 <p>The screenshot shows a web browser window with the URL <code>http://localhost:8080/jsp24/request3.html</code>. The page title is "취미와 가보고 싶은 국가" (Hobby and Country I want to visit). It contains two sections: 1. "1. 좋아하는 취미를 선택하시오." (Select your hobby) with checkboxes for "영화" (unselected), "독서" (checked), "스키" (checked), and "자전거" (unselected). 2. "2. 여행하고 싶은 국가를 하나 선택하시오." (Select one country you want to travel to) with radio buttons for "영국" (unselected), "미국" (unselected), "브라질" (selected), and "터키" (unselected). A "보내기" (Send) button is at the bottom.</p>	 <p>The screenshot shows a web browser window with the URL <code>http://localhost:8080/jsp24/request3.jsp</code>. The page title is "취미와 가보고 싶은 국가 결과" (Hobby and Country I want to visit result). It displays the selected options: "독서 스키" (Reading Ski) and "브라질" (Brazil).</p>

request3.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>예제 request3</title>
</head>
<body>
<h2> 취미와 가보고 싶은 국가</h2>
<form _ (1) _=" (2) " action="request3.jsp">

    1. 좋아하는 취미를 선택하시오. <p>
    영화 <input type="checkbox" name="hobby" value="영화"><br>
    독서 <input type="checkbox" name="hobby" value="독서"><br>
    스키 <input type="checkbox" name="hobby" value="스키"><br>
    자전거 <input type="checkbox" name="hobby" value="자전거"> <p> <hr>

    2. 여행하고 싶은 국가를 하나 선택하시오. <p>
    영국 <input type="radio" name="country" value="영국" checked><br>
    미국 <input type="radio" name="country" value="미국"><br>
    브라질 <input type="radio" name="country" value="브라질"><br>
    터키 <input type="radio" name="country" value="터키"> <p>
    <input type="submit" value="보내기">

</form>
</body></html>
```

request3.jsp

```

<%@   page      language="java"      contentType="text/html;      charset=EUC-KR"
pageEncoding="EUC-KR"%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>JSP 예제 request3.jsp</title>
</head>
<body>
<%@   (3)      (4)   ="java.util.Enumeration" %>
<%   (5)   .   (6)   ("euc-kr"); %>
<h2> 취미와 가보고 싶은 국가 결과</h2>
<%
    (7)   <String> e = (5)   .   (8)   ();

    while ( e.hasMoreElements() ) {
        String name = e.nextElement();
        String [] data = (5)   .getParameterValues(name);
        if (data != null) {
            for ( String (9)   : data )
                out.println(eachdata + " ");
        }
        out.println("<p>");
    }
%>
</body></html>

```

method

post

page

import

request



setCharacterEncoding

Enumeration

getParameterValues

eachdata

3.다음 home3.html 문서로 실행해서 기술정보이력서 항목을 선택한 후 “확인”버튼을 클릭 할 경우 다음과 같은 결과화면이 출력되도록 빈 공간을 작성하시오.

home3.html	home3.jsp
 <p>The screenshot shows a web browser window with the URL <code>http://localhost:8080/jsp24/home3.html</code>. The page title is "기술정보 이력서". It contains a form with the following fields: <ul style="list-style-type: none"> 이름: A text input field containing "kk". 주민등록번호: Two text input fields, the first containing "12121212" and the second containing "12121212". 학력: A radio button group with three options: "고졸" (selected), "대졸", and "대학원졸". 전공: A dropdown menu showing "전자공학과". 사용가능 플랫폼: A list box showing "Windows 계열 PC", "Windows 계열 서버", and "UNIX". Buttons: "확인" (Confirm) and "취소" (Cancel). </p>	 <p>The screenshot shows a web browser window with the URL <code>http://localhost:8080/jsp24/home3.jsp</code>. The page title is "기술정보 이력서". It displays the submitted information: <ul style="list-style-type: none"> 이름 : kk 주민번호 : 12121212 - 12121212 학력 : 대졸 전공 : 전자공학과 경험 플랫폼 : [Windows PC] [Windows 계열 서버] </p>

home3.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>기술정보 이력서</title>
</head>
<body>
<h1>기술정보 이력서</h1>
<form method=post action="home3.jsp">
<table border=1 cellpadding=5 align=left>
<tr>
<td>이름</td>
<td><input type=text name="name"></td>
</tr>
<tr>
<td>주민등록번호</td>
<td><input type=text name="jnum1"> -
<input type=text name="jnum2">
</td>
</tr>
<tr>
<td>학력</td>
<td>
<input type=radio name="graduate" value="고졸">고졸
```

```

        <input type=radio name="graduate" value="대졸">대졸
        <input type=radio name="graduate" value="대학원졸">대학원졸
    </td>
</tr>
<tr>
    <td>전공</td>
    <td><select name="major" size=1>
        <option value="컴퓨터공학과">컴퓨터공학과</option>
        <option value="산업공학과">산업공학과</option>
        <option value="전자공학과">전자공학과</option>
    </select>
    </td>
</tr>
<tr>
    <td>사용가능 플랫폼</td>
    <td><select multiple name="platform" size=3>
        <option value="Windows PC">Windows 계열 PC </option>
        <option value="Windows 계열 서버">Windows 계열 서버 </option>
        <option value="UNIX">UNIX</option>
        <option value="IBM OS/390">IBM OS/390</option>
        <option value="RS/6000">RS/6000</option>
    </select>
    </td>
</tr>
<tr>
    <td><input type=submit value="확인"></td>
    <td><input type=reset value="취소"></td>
</tr>
</table>
</form></body></html>

```

home3.jsp

```

<%@ page language="java" contentType="text/html; charset=EUC-KR"
pageEncoding="EUC-KR"%>
<html>
<head><title>JSP 예제 home2.jsp</title></head>
<body>
    <h2>기술정보 이력서</h2>
    <% __(1)__.__(2)__( "euc-kr"); %>
    이름 : <%= __(1)__.__(3)__( "name") %> <br>

```

```

주민번호 : <%= ____ (1) ____ (3) ____ ("jnum1") %> -
            <%= ____ (1) ____ (3) ____ ("jnum2") %> <br>
학력 : <%= ____ (1) ____ (3) ____ ("graduate") %><br>
전공 : <%= ____ (1) ____ (3) ____ ("major") %><br>
경험 플랫폼 :
<%
    for ( String platform : ____ (1) ____ (4) ____ ("platform") ) {
        out.println("[ " + platform + " ] ");
    }
%>
</body>
</html>

```

request
 setCharacterEncoding
 getParameter
 getParameterValues

4. 위의 3번문제의 html을 이용해 아래와 같은 출력결과가 출력되도록 home5.jsp 프로그램의 빈공간을 작성하시오.

결과화면

```

<%@ page language="java" contentType="text/html; charset=EUC-KR"
    pageEncoding="EUC-KR"%>
<%@ page import="java.util.Enumeration" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="EUC-KR">
<title>Insert title here</title>
</head>
<body>

```

```

<%@ page import="java.util.Enumeration" %>
<% request.setCharacterEncoding("euc-kr"); %>

<h2> 취미와 가보고 싶은 국가 결과</h2>

<%
    Enumeration<String> e = request.__(1)__;

    while ( e.__(2)__() ) {
        String name = e.nextElement();
        String [] data = request.__(3)__(name);
        if (data != null) {
            for ( String eachdata : data )
                out.println(eachdata + " ");
        }
        out.println("<p>");
    }
%>
</body>
</html>

```

getParameterNames

hasMoreElements

getParameterValues

5. 텍스트 박스에 10, 20을 입력받아 다음과 같은 결과가 출력되도록 프로그램을 작성하시오.

입력화면	결과화면
첫 번째 숫자입력 : 10	10+20 =30
두 번째 숫자입력 : 20	10/20=0.5

home2.html

```

<!DOCTYPE html>
<html>
<head>
<meta charset="EUC-KR">
<title>Insert title here</title>
</head>
<body>
<FORM METHOD=POST ACTION="home1.jsp">

```



```
첫번째 숫자입력 : <INPUT TYPE="text" NAME="num1"><br><br>
두번째 숫자입력 : <INPUT TYPE="text" NAME="num2"><br><br>
<INPUT TYPE="submit" VALUE="전송">
</FORM>

</body>
</html>
```

home2.jsp

```
<%@ page language="java" contentType="text/html; charset=EUC-KR"
    pageEncoding="EUC-KR"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=EUC-KR">
<title>Insert title here</title>
</head>
<body>
<%
request.setCharacterEncoding("euc-kr");

int num1 =Integer.parseInt(request.getParameter("a"));
int num2 =Integer.parseInt(request.getParameter("b"));

out.print(num1+" "+num2+"="+num1+num2+"<br>");
out.print(num1+"/"+num2+"="+((double)num1/num2)+"<br>");
%>
</body>
</html>
```