<프로젝트 구성>

```
> AP JAX-WS Web Services
 Src/main/java

▼ III com.sample.conf

       > DBCConnection.java
         x configuration.xml

▼ 

■ com.sample.controller

      > D BBSController1.java
       > D BBSController10.java
      > D BBSController11.java
      > D BBSController12.java
      > D BBSController2.java
      > D BBSController3.java
      > D BBSController4.java
      > D BBSController5.java
      > D BBSController6.java
      > BBSController7.java
      > D BBSController8.java
       > D BBSController9.java
    > 🍱 BBSDAO.java

→ III. com.sample.mapper
         BBSMapper.xml

    # com.sample.service

       > D BBSService.java

▼ 

■ com.sample.vo

      > 🗾 BBSInputVO.java
       > D BBSOutputVO.java
 > Meb App Libraries
 > 🤡 Deployment Descriptor: BBSQuiz02_01
 > 🗁 build
 v 🍃 src
    🗸 📂 main
       > 📂 java
      🗸 🗁 webapp
         > META-INF

✓ ► WEB-INF

            > 📂 lib
                result1.jsp
                result10.jsp
                result11.jsp
                result12.jsp
                result2.jsp
                result3.jsp
                result4.jsp
                result5.jsp
                result6.jsp
                📓 result7,jsp
                result8.jsp
                result9.jsp
           index.jsp
 Servers
```

```
<h1>시작페이지</h1>
<h2>첫번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController1">0\fac{a}</a>
<h2>두번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController2">이동</a>
<h2>세번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController3">0\5</a>
<h2>네번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController4">이동</a>
<h2>다섯번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController5">0\frac{1}{8}</a>
<h2>여섯번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController6">0\fac{a}
<h2>일곱번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController7">015</a>
<h2>여덟번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController8">이동</a>
<h2>아홉번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController9">0\5</a>
<h2>열번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController10">이동</a>
hr />
<h2>열한번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController11">0\fs</a>
<h2>열두번째 bbs</h2>
<a href="${pageContext.request.contextPath}/BBSController12">০। ছ</a>
```

Configuration.xml

JDBCConnection.java

```
public class JDBCConnection {
    public static SqlSessionFactory sqlSession;

static {
        String resource = "com/sample/conf/configuration.xml";
        Reader reader;

        try {
            reader = Resources.getResourceAsReader( resource );
            sqlSession = new SqlSessionFactoryBuilder().build( reader );
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

public static SqlSessionFactory getSqlSession() {
        return sqlSession;
    }
}
```

```
public interface BBSDAO {
    public List<BBSOutputVO> selectBBSList1();
    public List<BBSOutputVO> selectBBSList2(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList3(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList4(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList5(BBSInputVO vo);
    public List<String> selectAllCategoryList();
    public List<BBSOutputVO> selectBBSList6(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList6(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList7(BBSInputVO vo);
    public List<BBSOutputVO> selectBBSList8(BBSInputVO vo);
}
```

BBSInputVO.java(Getter Setter 생략)

```
public class BBSInputVO {
    private int id;
    private String category;
    private String title;
    private String owner;
    private String content;
    private String createDate;
    private List<String> months;
    private String endMonth;
    private String month;
```

BBSOutputVO.java(Getter Setter 생략)

```
public class BBSOutputVO {
    private int id;
    private String category;
    private String title;
    private String owner;
    private String content;
    private String createDate;
```

```
from bbs
<select id="selectBBSList2" parameterType="BBSInputVO" resultType="BBSOutputVO">
    from bbs
   where category = #{category}
   where category = #{category}
   from bbs
<select id="selectBBSList5" parameterType="BBSInputV0" resultType="BBSOutputV0">
    from bbs
        #{mon}
    from bbs
   where date format(create date, '%m') between #{startMonth} and #{endMonth}
    from bbs
   where date format(create date, '%m') = #{month}
    from bbs
        and owner = #{owner}
        and title like #{title}
       and content like #{content}
```

Result1.jsp

```
style
           제목
           작성일/작성시간
```

BBSController1.java

BBSService.java

```
SqlSessionFactory sqlSessionFactory = JDBCConnection.getSqlSession();
SqlSession sqlSession = sqlSessionFactory.openSession();
BBSDAO dao = sqlSession.getMapper(BBSDAO.class);

public void getBBSListl(HttpServletRequest request) {
    request.setAttribute("list", dao.selectBBSListl());
}
```

(2) 정답

Result2.jsp

BBSController2.java

```
public void getBBSList2(HttpServletRequest request) {
   if (request.getParameter("category") != null) {
        BBSInputVO vo = new BBSInputVO();
        vo.setCategory(request.getParameter("category"));
        request.setAttribute("list", dao.selectBBSList2(vo));
   } else {
        getBBSList1(request);
   }
}
```

Result3.jsp

BBSController3.java

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    request.setCharacterEncoding("utf-8");

BBSService service = new BBSService();
    service.getBBSList3(request);

RequestDispatcher rdp =
        request.getRequestDispatcher("/WEB-INF/result/result3.jsp");
    rdp.forward(request, response);
}
```

```
public void getBBSList3(HttpServletRequest request) {
   if (request.getParameter("category") != null) {
        BBSInputV0 vo = new BBSInputV0();
        vo.setCategory(request.getParameter("category"));
        request.setAttribute("list", dao.selectBBSList3(vo));
   } else {
        getBBSList1(request);
   }
}
```

Result4.jsp

```
<form action="${pageContext.request.contextPath}/BBSController4" method="r
   <c:forEach var="item" items="${category}" varStatus="x">
      <label>${item}
      <input type="radio" name="category" id="" value="${item}"/>
   <br/>
<br/>
button id="submit">전송</button>
          카테고리
          제목
          글쓴이
          작성일/작성시간
       <c:forEach var="vo" items="${list}">
          ${vo.id}
          ${vo.category}
          ${vo.owner}
          ${vo.createDate}
```

BBSController4.java

```
public void getBBSList4(HttpServletRequest request) {
    if (request.getParameter("category") != null) {
        BBSInputVO vo = new BBSInputVO();
        vo.setCategory(request.getParameter("category"));
        request.setAttribute("list", dao.selectBBSList4(vo));
    } else {
        getBBSList1(request);
    }
    request.setAttribute("category", dao.selectAllCategoryList());
}
```

Result5.jsp

```
<label for="choice1">喜今월</label>
<input type="radio" name="choice" id="choice1" value="1">
<label for="choice2">"< 2 ** Page 1 ** Page 2 ** Page 2
        (label for="choice1">喜수월</label>
<input type="radio" name="choice" id="choice1" value="1" checked>
<label for="choice2">平수월</label>
   작성일/작성시간
```

BBSController5.java

```
public void getBBSList5(HttpServletRequest request) {
   BBSInputVO vo = new BBSInputVO();
   String choice = request.getParameter("choice");
   if (choice == null || choice.equals("1")) {
        String[] strs = {"01", "03", "05", "07", "09", "11"};
        vo.setMonths(Arrays.asList(strs));
        request.setAttribute("choice", "1");
   }else {
        String[] strs = {"02", "04", "06", "08", "10", "12"};
        vo.setMonths(Arrays.asList(strs));
        request.setAttribute("choice", "2");
   }
   request.setAttribute("list", dao.selectBBSList5(vo));
}
```

Result6.jsp

```
<form action="${pageContext.request.contextPath}/BBSController6" method='
   <label for="startmonth">시작월</label>
       <option value="01">1월</option>
       <option value="02">2월</option>
       <option value="03">3월</option>
       <option value="04">4월</option>
       <option value="05">5월</option>
       <option value="06">6월</option>
       <option value="07">7월</option>
       <option value="08">8월</option>
       <option value="09">9월</option>
       <option value="10">10월</option>
       <option value="11">112</option>
       <option value="12">12월</option>
   <label for="endmonth">종료월</label>
       <option value="01">1월</option>
       <option value="02">2월</option>
       <option value="03">3월</option>
       <option value="04">4월</option>
       <option value="05">5월</option>
       <option value="06">6월</option>
       <option value="07">7월</option>
       <option value="08">8월</option>
       <option value="09">9월</option>
       <option value="10">10월</option>
       <option value="11">11월</option>
       <option value="12">12월</option>
   <button id="submit">변경</button>
           >카테고리
          >제목
           글쓴이
           작성일/작성시간
       <c:forEach var="vo" items="${list}">
           ${vo.id}
          ${vo.category}
          ${vo.title}
           ${vo.owner}
           ${vo.createDate}
```

BBSController6.java

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    request.setCharacterEncoding("utf-8");

BBSService service = new BBSService();
    service.getBBSList6(request);

RequestDispatcher rdp =
        request.getRequestDispatcher("/WEB-INF/result/result6.jsp");
    rdp.forward(request, response);
}
```

```
public void getBBSList6(HttpServletRequest request) {
    BBSInputVO vo = new BBSInputVO();
    String startMonth = request.getParameter("startmonth");
    String endMonth = request.getParameter("endmonth");
    vo.setStartMonth((startMonth==null)?"01":startMonth);
    vo.setEndMonth((endMonth==null)?"12":endMonth);
    request.setAttribute("list", dao.selectBBSList6(vo));
}
```

Result7.jsp

```
<form action="${pageContext.request.contextPath}/BBSController7" method="p
       <label for="month1">1월</label>
       <label for="month2">2월</label>
       <input type="checkbox" id="month2" name="months" value="02" />
       <label for="month3">3월</label>
       <label for="month4">4월</label>
       <label for="month5">5월</label>
       <label for="month6">6월</label>
       <label for="month7">7월</label>
       <input type="checkbox" id="month7" name="months" value="07" />
       <label for="month8">8월</label>
       <label for="month9">9월</label>
       <input type="checkbox" id="month9" name="months" value="09" />
       <label for="month10">10월</label>
       <input type="checkbox" id="month10" name="months" value="10" />
       <label for="month11">11월</label>
       <input type="checkbox" id="month11" name="months" value="11" />
       <label for="month12">12월</label>
       <input type="checkbox" id="month12" name="months" value="12" />
   <button id="submit">검색</button>
<c:forEach var="inner" items="${list}">
           id
           >카테고리
           >제목
           글쓴이
           작성일/작성시간
       <c:forEach var="vo" items="${inner}">
           ${vo.id}
           ${vo.category}
           ${vo.title}
           ${vo.owner}
           ${vo.createDate}
```

BBSController7.java

```
#category {
```

BBSController9.java

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    request.setCharacterEncoding("utf-8");

BBSService service = new BBSService();
    service.getBBSList8(request);

RequestDispatcher rdp =
        request.getRequestDispatcher("/WEB-INF/result/result8.jsp");
    rdp.forward(request, response);
}
```

```
public void getBBSList8(HttpServletRequest request) {
    BBSInputVO vo = new BBSInputVO();
    vo.setOwner(request.getParameter("owner"));
    request.setAttribute("list", dao.selectBBSList8(vo));
}
```

Result9.jsp

BBSController9.java

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    request.setCharacterEncoding("utf-8");

BBSService service = new BBSService();
    service.getBBSList9(request);

RequestDispatcher rdp =
        request.getRequestDispatcher("/WEB-INF/result/result9.jsp");
    rdp.forward(request, response);
}
```

Result10.jsp

BBSController10.java

```
public void getBBSList10(HttpServletRequest request) {
    BBSInputVO vo = new BBSInputVO();
    if(request.getParameter("content")!= null &&
        !request.getParameter("content").equals("")) {
        vo.setContent("%"+request.getParameter("content")+"%");
    }
    request.setAttribute("list", dao.selectBBSList8(vo));
}
```

Result11.jsp

BBSController11.java

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    request.setCharacterEncoding("utf-8");

BBSService service = new BBSService();
    service.getBBSListl1(request);

RequestDispatcher rdp =
        request.getRequestDispatcher("/WEB-INF/result/resultl1.jsp");
    rdp.forward(request, response);
}
```

```
public void getBBSList11(HttpServletRequest request) {
   BBSInputVO vo = new BBSInputVO();
   if(request.getParameter("order") != null &&
        !request.getParameter("order").equals("")) {
        if(request.getParameter("order").equals("1")) {
            vo.setOwner(request.getParameter("content"));
        }else if(request.getParameter("order").equals("2")) {
            vo.setTitle("%"+request.getParameter("content")+"%");
        }else if(request.getParameter("order").equals("3")) {
            vo.setContent("%"+request.getParameter("content")+"%");
        }
    }
    request.setAttribute("list", dao.selectBBSList8(vo));
}
```

Result12.jsp

BBSController12.java