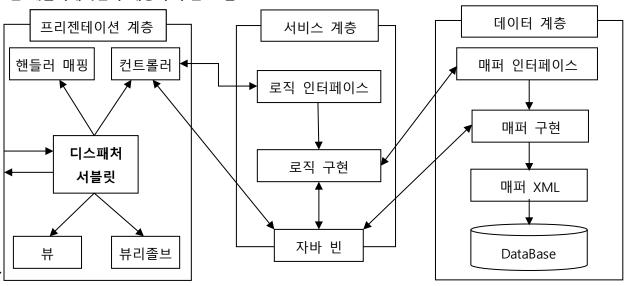
11. Spring-Mybatis 연동 예제

(1) 테이블 생성

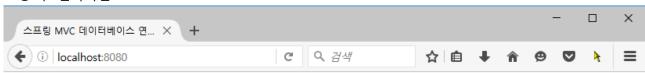
2) 개발 순서

- · 테이블을 생성하고, 데이터를 저장한다.
- · 프로젝트에 필요한 폴더를 생성한다.
- · 모델에 관한 공통의 자바빈을 생성한다.
- · 데이터 계층의 SQL 매퍼 XML 파일을 생성한다.
- · 데이터 계층의 매퍼 인터페이스와 매퍼 인터페이스를 구현한다.
- · 서비스 계층의 로직 인터페이스와 로직 인터페이스를 구현한다.
- · 컨트롤러를 작성한다.
- · 뷰를 작성한다.
- · 스프링 환경 설정 파일에 dataSource, 매퍼 등을 설정한다.
- · 웹 어플리케이션 환경 설정 파일(web.xml)에 디스패처 서블릿을 설정한다.
- · 실행에 필요한 웹 페이지를 작성하고 실행한다.
- · 실행 결과를 컴토하고, 오류에 대하여 디버깅한다.

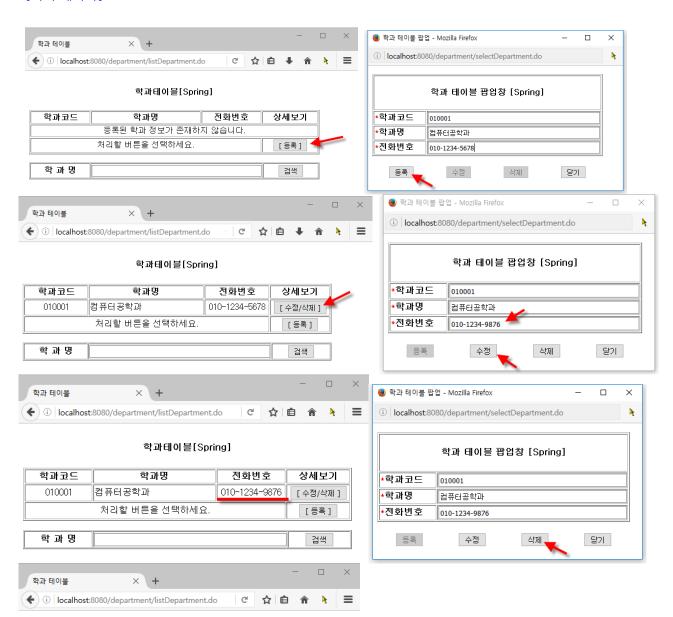
· 웹 애플리케이션의 계층과 구현 모델



코딩 후 결과화면



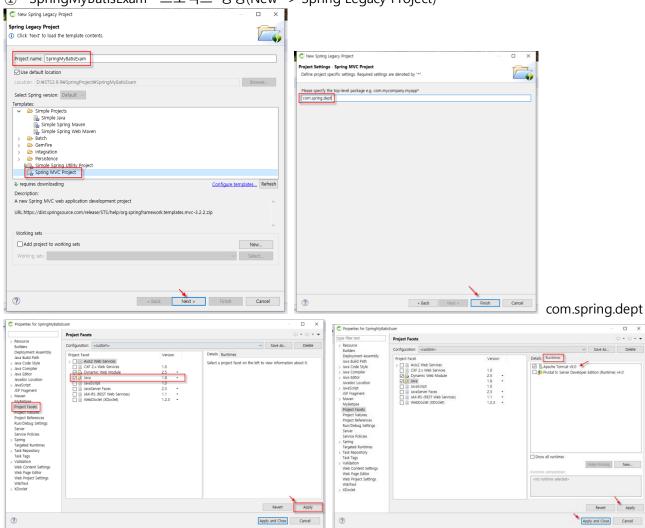
[학과 데이터]



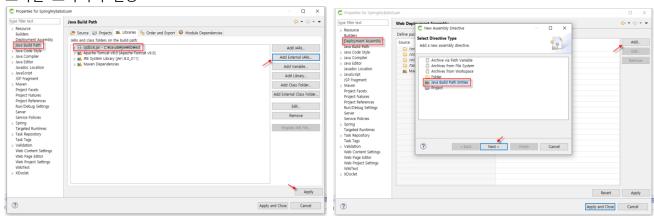
학과테이블[Spring]

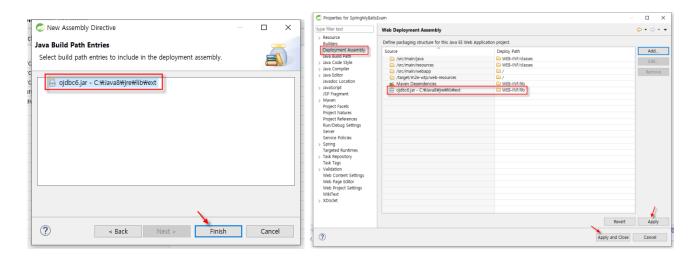
학과코드	학과명	전화번호	상세보기
등록된 학과 정보가 존재하지 않습니다.			
처리할 버튼을 선택하세요.			[등록]
학과명			검색

① "SpringMyBatisExam" 프로젝트 생성(New -> Spring Legacy Project)



오라클 드라이버 연동





② 스프링과 MyBatis 연동에 필요한 라이브러리을 내려 받기 위해 pom.xml 수정 pom.xml

```
생략~
                cproperties>
                <java-version>1.8</java-version>
                <org.springframework-version>5.0.7.RELEASE</org.springframework-version>
                <org.aspectj-version>1.6.10</org.aspectj-version>
                <org.slf4j-version>1.6.6</org.slf4j-version>
        </properties>
        <dependencies>
                <!-- MyBatis -->
                <!-- https://mvnrepository.com/artifact/org.mybatis/mybatis -->
                <dependency>
                        <groupId>org.mybatis
                        <artifactld>mybatis</artifactld>
                        <version>3.5.2</version>
                </dependency>
                <!-- MyBatis Spring -->
                <dependency>
                        <groupId>org.mybatis</groupId>
                        <artifactId>mybatis-spring</artifactId>
                        <version>2.0.2</version>
                </dependency>
                <!-- Spring JDBC -->
                <dependency>
                        <groupId>org.springframework</groupId>
                        <artifactId>spring-jdbc</artifactId>
                        <version>${org.springframework-version}</version>
```

③ 웹 애플리케이션 환경 설정 파일에서 설정 수정

```
src/main/webapp/WEB-INF/web.xml 웹 애플리케이션 환경 설정 파일에 추가
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" 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
https://java.sun.com/xml/ns/javaee/web-app_3_1.xsd">
        <welcome-file-list>
                <welcome-file>index.jsp</welcome-file>
        </welcome-file-list>
        <!-- The definition of the Root Spring Container shared by all Servlets and Filters -->
        <context-param>
                <param-name>contextConfigLocation</param-name>
                <param-value>/WEB-INF/spring/root-context.xml</param-value>
        </context-param>
        <!-- Creates the Spring Container shared by all Servlets and Filters -->
        stener>
                listener-class>org.springframework.web.context.ContextLoaderListener/listener-
class>
        </listener>
        <!-- Processes application requests -->
        <servlet>
                <servlet-name>appServlet</servlet-name>
                <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
                <init-param>
```

```
<param-name>contextConfigLocation</param-name>
                       <param-value>/WEB-INF/spring/appServlet/servlet-context.xml/param-
value>
               </init-param>
               <load-on-startup>1</load-on-startup>
       </servlet>
       <servlet-mapping>
               <servlet-name>appServlet</servlet-name>
               <url-pattern>*.do</url-pattern>
       </servlet-mapping>
       <!-- ============ 한글 처리 설정============= -->
       <filter>
               <filter-name>encodingFilter</filter-name>
               <filter-class>
                               org.spring framework.web.filter. Character Encoding Filter\\
               </filter-class>
               <init-param>
                       <param-name>encoding</param-name>
                       <param-value>utf-8</param-value>
               </init-param>
               <init-param>
                       <param-name>forceEncoding</param-name>
                       <param-value>true</param-value>
               </init-param>
       </filter>
       <filter-mapping>
               <filter-name>encodingFilter</filter-name>
               <url-pattern>/*</url-pattern>
       </filter-mapping>
</web-app>
```

④ 스프링 설정 파일 생성 - 1

```
xsi:schemaLocation="http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc.xsd
                http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
                http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context.xsd
                http://www.springframework.org/schema/tx
http://www.springframework.org/schema/tx/spring-tx-4.1.xsd">
        <!-- DispatcherServlet Context: defines this servlet's request-processing
                 infrastructure -->
        <!-- 어노테이션 설정 -->
        <context:annotation-config />
        <!-- Enables the Spring MVC @Controller programming model -->
        <annotation-driven />
        <!-- Handles HTTP GET requests for /resources/** by efficiently serving
                 up static resources in the ${webappRoot}/resources directory -->
        <resources mapping="/resources/**" location="/resources/" />
        <!-- Resolves views selected for rendering by @Controllers to .jsp resources
                in the /WEB-INF/views directory -->
        <br/>beans:bean
                class="org.springframework.web.servlet.view.InternalResourceViewResolver">
                 <beans:property name="prefix" value="/WEB-INF/views/" />
                 <beans:property name="suffix" value=".jsp" />
        </beans:bean>
        <!-- 경로 변경 -->
     <!-- <context:component-scan base-package="com.spring.dept" /> -->
        <context:component-scan base-package="com.spring.**"/>
</beans:beans>
```

⑥ 스프링 설정 파일 생성 - 2

```
webapp/WEB-INF/spring/root-context.xml

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans.xsd
```

```
http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-4.2.xsd">
        <!-- Root Context: defines shared resources visible to all other web components -->
        <!-- DataSource 설정 -->
        <br/><bean id="dataSource" class="org.apache.commons.dbcp.BasicDataSource" destroy-
method="close">
            cproperty name="driverClassName" value="oracle.jdbc.OracleDriver" />
            coracle:thin:@localhost:1521:XE" />
            cproperty name="username" value="hr" />
            cproperty name="password" value="1234" />
        </bean>
        <!-- Mybatis Setting -->
        <bean id="sqlSessionFactory" class="org.mybatis.spring.SqlSessionFactoryBean">
                content
                coations" value="classpath:mappings/*.xml"/>
        </bean>
        <bean id="sqlSession" dass="org.mybatis.spring.SqlSessionTemplate"</pre>
                destroy-method="clearCache">
            <constructor-arg name="sqlSessionFactory" ref="sqlSessionFactory"></constructor-</pre>
arg>
        </bean>
        <!-- a PlatformTransactionManager is still required -->
        <bean id="transactionManager"</pre>
class= "org.springframework.jdbc.datasource.DataSourceTransactionManager">
                cproperty name="dataSource" ref="dataSource" />
        </bean>
</beans>
SpringMyBatisExam

→ 

⊕ com.spring.controller

     > 🛂 DepartmentController.java
   > # com.spring.dept
   v 🌐 com.spring.deptdao
     DeptMapperImpl.java

    # com.spring.deptservice

     > P DeptService.java
      DeptServiceImpl.java

→ 

⊕ com.spring.deptvo

     > 🚺 DeptVO.java
 x dept-mapper.xml
    META-INF
     x log4j.xml
 > 進 src/test/java
```

⑦ 컨트롤러, 서비스, DAO, 매퍼 XML 문서를 작성한다.

```
DeptVO.java
package com.spring.deptvo;
public class DeptVO {
           private String
                           deptid="";
                                         //학과코드
           private String
                           deptname=""; //학과명
           private String
                           depttel="";
                                         //학과전화
           public String getDeptid() {
                    return deptid;
           }
           public void setDeptid(String deptid) {
                    this.deptid = deptid;
           public String getDeptname() {
                    return deptname;
           }
           public void setDeptname(String deptname) {
                    this.deptname = deptname;
           }
           public String getDepttel() {
                    return depttel;
           public void setDepttel(String depttel) {
                    this.depttel = depttel;
           }
```

```
package com.spring.deptcontroller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.servlet.ModelAndView;
```

```
import com.spring.deptservice.DeptService;
import com.spring.deptvo.DeptVO;
/* 컨트롤러 */
@Controller
@RequestMapping(value="/department")
public class DepartmentController {
        private static final String CONTEXT_PATH="dept";
        @Autowired
        private DeptService deptService;
        /* 전체 조회 */
        @RequestMapping("/listDepartment")
        public ModelAndView listDepartment(@ModelAttribute DeptVO param) {
                List < DeptVO > list = deptService.listDepartment(param);
                ModelAndView mav = new ModelAndView();
                mav.addObject("departmentList", list);
                mav.setViewName(CONTEXT_PATH + "/department");
                return mav;
       }
        /* 상세 정보 보기 */
        @RequestMapping("/selectDepartment")
        public ModelAndView selectDepartment(@RequestParam("deptid") String deptid) {
            ModelAndView mav = new ModelAndView();
            if(deptid.equals("")) { // [등록] 버튼 클릭시
               mav.addObject("mode", "insert");
                              //[수정/삭제] 버튼 클릭시
           } else {
               mav.addObject("DeptVO", deptService.selectDepartment(deptid));
               mav.addObject("mode", "update");
           }
           mav.setViewName(CONTEXT_PATH + "/department_pop");
           return mav;
        }
        /* 레코드 추가 */
        @RequestMapping("/insertDepartment")
```

```
public ModelAndView insertDepartment(@ModelAttribute DeptVO param) {
        String resultStr = "";
        int result = deptService.insertDepartment(param);
        if(result > 0) resultStr = "등록 완료이 완료되었습니다.";
        else resultStr = "등록에 문제가 있어 완료하지 못하였습니다.";
        ModelAndView mav = new ModelAndView();
        mav.addObject("result", resultStr);
        mav.setViewName("result");
        return mav;
}
/* 레코드 수정 */
@RequestMapping("/updateDepartment")
public ModelAndView updateDepartment(@ModelAttribute DeptVO param) {
        String resultStr = "";
        int result = deptService.updateDepartment(param);
        if(result > 0) resultStr = "수정 완료이 완료되었습니다.";
        else resultStr = "수정에 문제가 있어 완료하지 못하였습니다.";
        ModelAndView mav = new ModelAndView();
        mav.addObject("result", resultStr);
        mav.setViewName("result");
        return mav;
}
/* 레코드 삭제 */
@RequestMapping("/deleteDepartment")
public ModelAndView deleteDepartment(@ModelAttribute DeptVO param) {
        String resultStr = "";
        int result = deptService.deleteDepartment(param);
        if(result > 0) resultStr = "삭제 완료이 완료되었습니다.";
        else resultStr = "삭제에 문제가 있어 완료하지 못하였습니다.";
        ModelAndView mav = new ModelAndView();
        mav.addObject("result", resultStr);
        mav.setViewName("result");
```

```
return mav;
}
}
```

```
package com.spring.deptservice;

import java.util.List;
import com.spring.deptvo.DeptVO;

public interface DeptService {
    public List < DeptVO > listDepartment(DeptVO param);
    public DeptVO selectDepartment(String deptid);
    public int insertDepartment(DeptVO param);
    public int updateDepartment(DeptVO param);
    public int deleteDepartment(DeptVO param);
    public int deleteDepartment(DeptVO param);
```

```
DeptServiceImpl.java
package com.spring.deptservice;
import java.util.ArrayList;
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import org.springframework.transaction.annotation.Transactional;
import com.spring.deptdao.DeptMapper;
import com.spring.deptvo.DeptVO;
@Service
@Transactional
public class DeptServiceImpl implements DeptService {
        @Autowired
        private DeptMapper deptMapper;
        @Override
        public List<DeptVO> listDepartment(DeptVO param) {
                List<DeptVO> list = new ArrayList<DeptVO>();
```

```
list = deptMapper.listDepartment(param);
        return list:
}
@Override
public DeptVO selectDepartment(String deptid) {
        return deptMapper.selectDepartment(deptid);
}
@Override
public int insertDepartment(DeptVO param) {
        return deptMapper.insertDepartment(param);
}
@Override
public int updateDepartment(DeptVO param) {
        return deptMapper.updateDepartment(param);
@Override
public int deleteDepartment(DeptVO param) {
        return deptMapper.deleteDepartment(param);
}
```

```
package com.spring.deptdao;

import java.util.List;
import com.spring.deptvo.DeptVO;

public interface DeptMapper {
    public List<DeptVO > listDepartment(DeptVO param);
    public DeptVO selectDepartment(String deptid);
    public int insertDepartment(DeptVO param);
    public int updateDepartment(DeptVO param);
    public int deleteDepartment(DeptVO param);
}
```

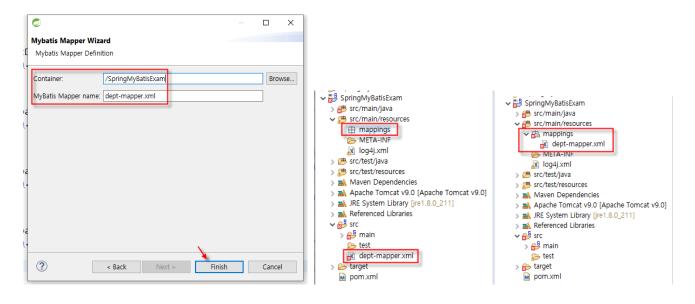
```
package com.spring.deptdao;

import java.util.List;
import javax.inject.lnject;
import org.apache.ibatis.session.SqlSession;
```

```
import org.springframework.stereotype.Repository;
import com.spring.deptvo.DeptVO;
@Repository
public class DeptMapperImpl implements DeptMapper {
        @Inject
        private SqlSession sqlSession;
        private static final String namespace = "com.spring.deptdao.DeptMapper";
        @Override
        public List<DeptVO> listDepartment(DeptVO param) {
           return sqlSession.selectList(namespace+".listDepartment", param);
        }
        @Override
        public DeptVO selectDepartment(String deptid) {
           return sqlSession.selectOne(namespace+".selectDepartment", deptid);
        }
        @Override
        public int insertDepartment(DeptVO param) {
           return sqlSession.insert(namespace+".insertDepartment", param);
        }
        @Override
        public int updateDepartment(DeptVO param) {
           return sqlSession.update(namespace+".updateDepartment", param);
        @Override
        public int deleteDepartment(DeptVO param) {
           return sqlSession.delete(namespace+".deleteDepartment", param);
        }
```

src/main/resources/mappings 폴더 생성

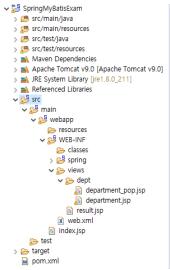
프로젝트명 -> New -> Other -> Java ORM Plugin -> Mybatis Mapper XML



```
mappings/dept-mapper.xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE
                              PUBLIC
                                           "-//mybatis.org//DTD
                                                                                   3.0//EN"
                 mapper
                                                                     Mapper
"http://mybatis.org/dtd/mybatis-3-mapper.dtd">
<mapper namespace="com.spring.deptdao.DeptMapper">
       <resultMap type="com.spring.deptvo.DeptVO" id="deptVO">
               <result property="deptid"
                                          column="Dept ID" />
               <result property="deptname" column="Dept_Name" />
               <result property="depttel" column="Dept_Tel" />
       </resultMap>
   <select
                    id="listDepartment"
                                                 parameterType="com.spring.deptvo.DeptVO"
resultMap="deptVO">
       /* Mapper - listDepartment */
               SELECT Dept_ID
                    ,Dept_NAME
                        ,Dept_Tel
               FROM
                       DEPARTMENT
               <where>
                  <if test="deptname!= null and deptname!= "">
                      DEPT_NAME LIKE '%' || #{deptname} || '%'
                  </if>
               </where>
   </select>
   <select id="selectDepartment" parameterType="java.lang.String" resultMap="deptVO">
       /* Mapper - selectDepartment */
               SELECT Dept_ID
                    ,Dept_NAME
```

```
,Dept_Tel
                      DEPARTMENT
              FROM
              WHERE DEPT_ID
                                  = #{deptid}
       </select>
   <insert id="insertDepartment" parameterType="com.spring.deptvo.DeptVO">
       /* Mapper - insertDepartment */
              INSERT INTO DEPARTMENT
                             DEPT NAME, DEPT TEL)
                 ( DEPT ID,
          VALUES
                 ( #{deptid}, #{deptname}, #{depttel} )
   </insert>
   <update id="updateDepartment" parameterType="com.spring.deptvo.DeptVO">
       /* Mapper - updateDepartment */
       UPDATE DEPARTMENT
       SET DEPT_NAME = #{deptname},
          DEPT_TEL
                        = #{depttel}
       WHERE DEPT ID = #{deptid}
   </update>
   <delete id="deleteDepartment" parameterType="com.spring.deptvo.DeptVO">
       /* Mapper - deleteDepartment */
       DELETE FROM DEPARTMENT WHERE DEPT_ID = #{deptid}
   </delete>
</mapper>
```

⑧ "views"에 "dept"폴더를 생성한다. 폴더를 선택하고 [New] - [JSP file]을 선택하고, 파일명으로 "department.jsp" 입력한 후, [Finish] 버튼을 클릭한다.



department.jsp (/WEB-INF/views/dept/department.jsp)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>학과 테이블</title>
<script type="text/javascript" src="http://code.jquery.com/jquery-latest.js"></script>
<script type="text/javascript">
        function insertPopup() {
                 $("#deptid").val("");
                 window.open("", "pop", "width=480, height=280");
                 $("#popupForm").attr("action", "/department/selectDepartment.do");
                 $("#popupForm").attr("target","pop");
                 $("#popupForm").submit();
        }
        function updatePopup(deptid) {
                 $("#deptid").val(deptid);
                 window.open("", "pop", "width=480, height=280");
                 $("#popupForm").attr("action", "/department/selectDepartment.do");
                 $("#popupForm").attr("target","pop");
                 $("#popupForm").submit();
        }
        function listSearch() {
                 $("#searchForm").attr("action", "/department/listDepartment.do");
                 $("#searchForm").submit();
        }
</script>
<style type="text/css">
        table{width:570px}
        #searchForm table th{width:114px}
        #searchForm table td{width:104px; text-align:center; }
        #deptname{width:328px}
</style>
</head>
<body>
        <form id="popupForm" name="popupForm" method="post" >
                   <input type="hidden" name="deptid" id="deptid"/>
```

```
</form>
<div>
    <h4>학과테이블[Spring]</h4>
    </div>
<div>
    <colgroup>
              <col width="120px" />
              <col width="220px"/>
              <col width="120px" />
              <col width="110px"/>
         </colgroup>
         <thead>
              학과코드
                학과명 
                전화번호
                상세보기
              </thead>
         <c:if test="${empty departmentList}">
                   등록된 학과 정보가 존재하지 않습니다.
                   </c:if>
              <c:forEach items="${departmentList}" var="row">
                   ${row.deptid}
                     <td align="left"
                                >${row.deptname}
                     ${row.depttel}
                     <input type="button" value="[ 수정/삭제 ]"
                        onclick="updatePopup('${row.deptid}')"/>
                   </c:forEach>
              처리할 버튼을 선택하세요.
```

```
<input type="button" onclick="insertPopup()"</pre>
                         value="[ 등록 ]"/>
                        </div>
     <div><!-- search -->
           <form id="searchForm" name="searchForm" method="post">
                학 과 명
                           <input type="text" id="deptname"
                               name="deptname" /> 
                           <input type="button" onclick="listSearch()"
                               value="검색" /> 
                      </form>
     </div>
</body>
</html>
```

[New] - [JSP file]을 선택하고, 파일명으로 "department_pop.jsp" 입력한 후, [Finish] 버튼을 클릭한다.

```
<script type="text/javascript" src="http://code.jquery.com/jquery-latest.js"></script>
<script type="text/javascript">
        $(document).ready(function(){
                 var mode = "${mode}";
                 if(mode == "insert") {
                          $('#insertData').attr('disabled',false);
                          $('#updateData').attr('disabled',true);
                          $('#deleteData').attr('disabled',true);
                 } else if(mode == "update") {
                          $('#insertData').attr('disabled',true);
                          $('#updateData').attr('disabled',false);
                          $('#deleteData').attr('disabled',false);
                 }
                 $("#insertData").click(function(){
                              if(!validateForm()) return;
                              if(confirm('등록을 진행할까요?')) {
                                     $("#deptForm").attr("action", "/department/insertDepartment.do");
                                     $("#deptForm").submit();
                              }
                 });
                 $("#updateData").click(function(){
                              if(!validateForm()) return;
                              if(confirm('수정을 진행할까요?')) {
                                     $("#deptForm").attr("action", "/department/updateDepartment.do");
                                     $("#deptForm").submit();
                              }
                 });
                 $("#deleteData").click(function(){
                              if(confirm('삭제를 진행할까요?')) {
                                     $("#deptForm").attr("action", "/department/deleteDepartment.do");
                                     $("#deptForm").submit();
                              }
                 });
                 $("#closeWindow").click(function(){
                          window.close();
                 });
        });
```

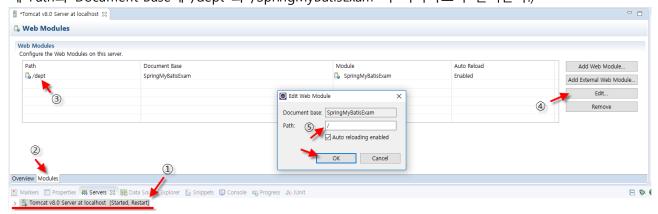
```
function validateForm() {
        if((\#deptid)).val().replace(/\#s/g,"") == "") {
           alert('학과코드를 입력해주세요.');
          return false;
        }
        if((\#deptname").val().replace(/\#s/g,"") == "") {
           alert('학과명을 입력해주세요.');
          return false;
        }
        return true;
</script>
</head>
<body>
      <div>
            <form id="deptForm" name="deptForm" method="post">
                   <thead>
                                <h4>학과 테이블 팝업창 [Spring] </h4>
                                </thead>
                         <span class="required">*</span>학과코드
                                  <input type="text" id="deptid" name="deptid"
                                      value="${DeptVO.deptid}" /> 
                                <span class="required">*</span>학과명
                                   <input type="text" id="deptname"
                                    name="deptname" value="${DeptVO.deptname}" />
                                   <span class="required">*</span>전화번호
                                    <input type="text" id="depttel" name="depttel"
                                       value="${DeptVO.depttel}" />
```

```
</form>
     </div>
     <div>
           <input type="button" id="insertData" value="등록" /> 
                   <input type="button" id="updateData" value="수정" /> 
                   <input type="button" id="deleteData" value="삭제" />
                   <input type="button" id="closeWindow" value="닫기" />
                 </div>
</body>
</html>
```

```
result.jsp (/WEB-INF/views/result.jsp)
<@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>결과 화면</title>
<script type="text/javascript">
        alert("${result}");
        if("${result}".indexOf("문제") > -1) {
           history.go(-1);
        } else {
           opener.listSearch();
           window.close();
</script>
</head>
<body></body>
</html>
```

```
index.jsp(/webapp/index.jsp)
<@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>스프링 MVC 데이터베이스 연동</title>
<style type="text/css">
       a{text-decoration:none;}
</style>
</head>
<body>
       <a href="department/listDepartment.do">[학과 데이터]</a>
</body>
</html>
```

⑨ index.jsp 실행하고 난 후 톰캣을 멈추고 Server 탭의 Tomcat v9.0..을 더블 클릭한다.
Modules 탭에서 다음과 같이 수정하고 저장한다.(또는 Add Web Module.. 버튼을 클릭하여 Web Modules
에 Path와 Document Base에 /dept 와 /SpringMyBatisExam 가 나타나도록 선택한다.)



위 내용을 설정하면 [Servers] - [server.xml] 파일에 다음과 같은 소스가 자동으로 추가된다.

<Context docBase="SpringMyBatisExam" path="/" reloadable="true" source="org.eclipse.jst.jee.server:SpringMyBatisExam"/>

수정 후 실행해 본다.

