1. pro04/pom.xml 의존성 라이브러리 추가

```xml
195        </dependency>
196
197        <!-- 구글 JSON -->
198        <dependency>
199            <groupId>com.google.code.gson</groupId>
200            <artifactId>gson</artifactId>
201            <version>2.7</version>
202        </dependency>
203        <dependency>
204            <groupId>org.jsoup</groupId>
205            <artifactId>jsoup</artifactId>
206            <version>1.12.1</version>
207        </dependency>
208        <dependency>
209            <groupId>org.json</groupId>
210            <artifactId>json</artifactId>
211            <version>20200518</version>
212        </dependency>
213
214        <!-- jackson 라이브러리 -->
215        <dependency>
216            <groupId>com.fasterxml.jackson.core</groupId>
217            <artifactId>jackson-databind</artifactId>
218            <version>2.9.4</version>
219        </dependency>
220
221        <dependency>
222            <groupId>org.codehaus.jackson</groupId>
223            <artifactId>jackson-mapper-asl</artifactId>
224            <version>1.9.13</version>
225        </dependency>
226
```
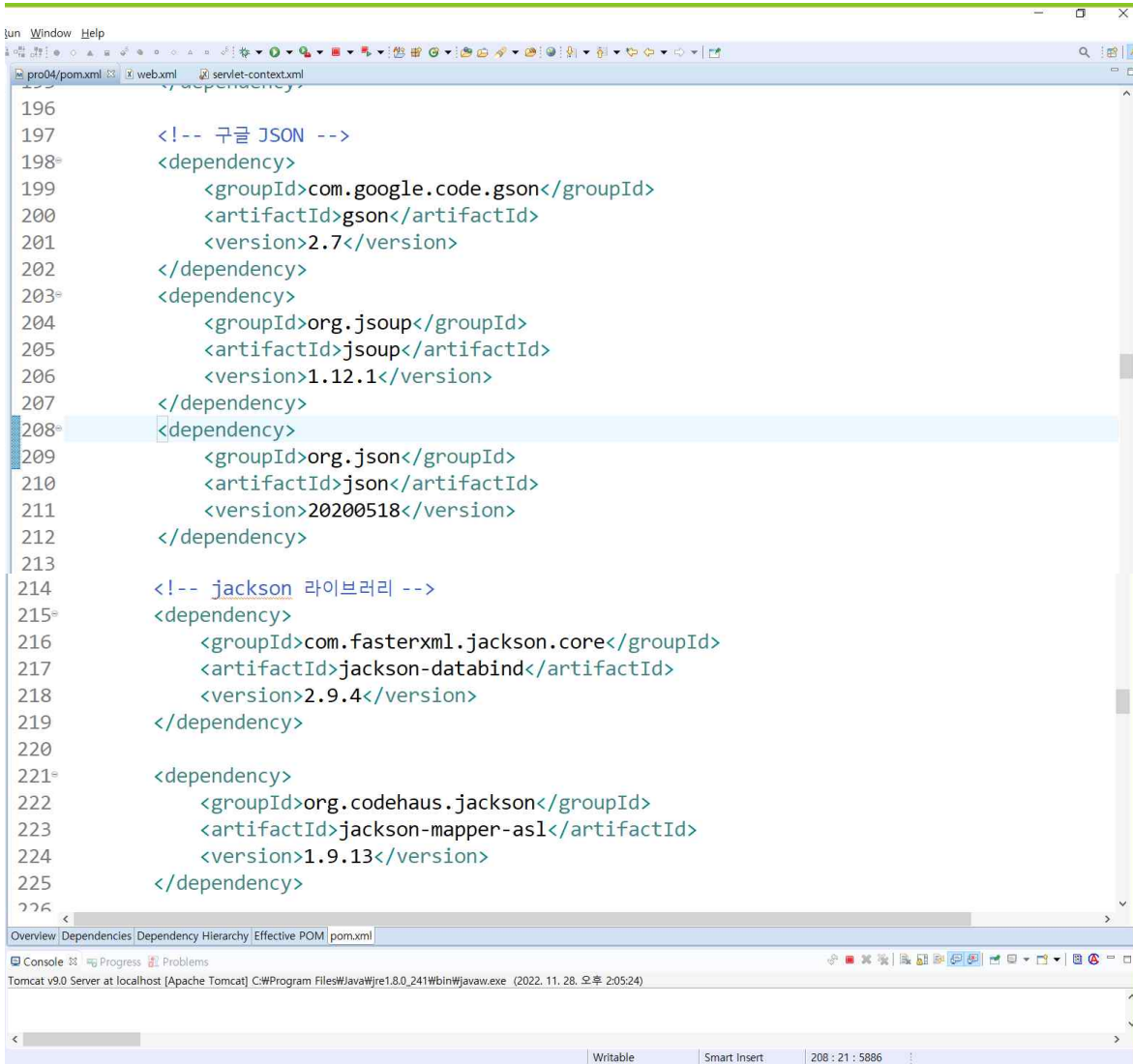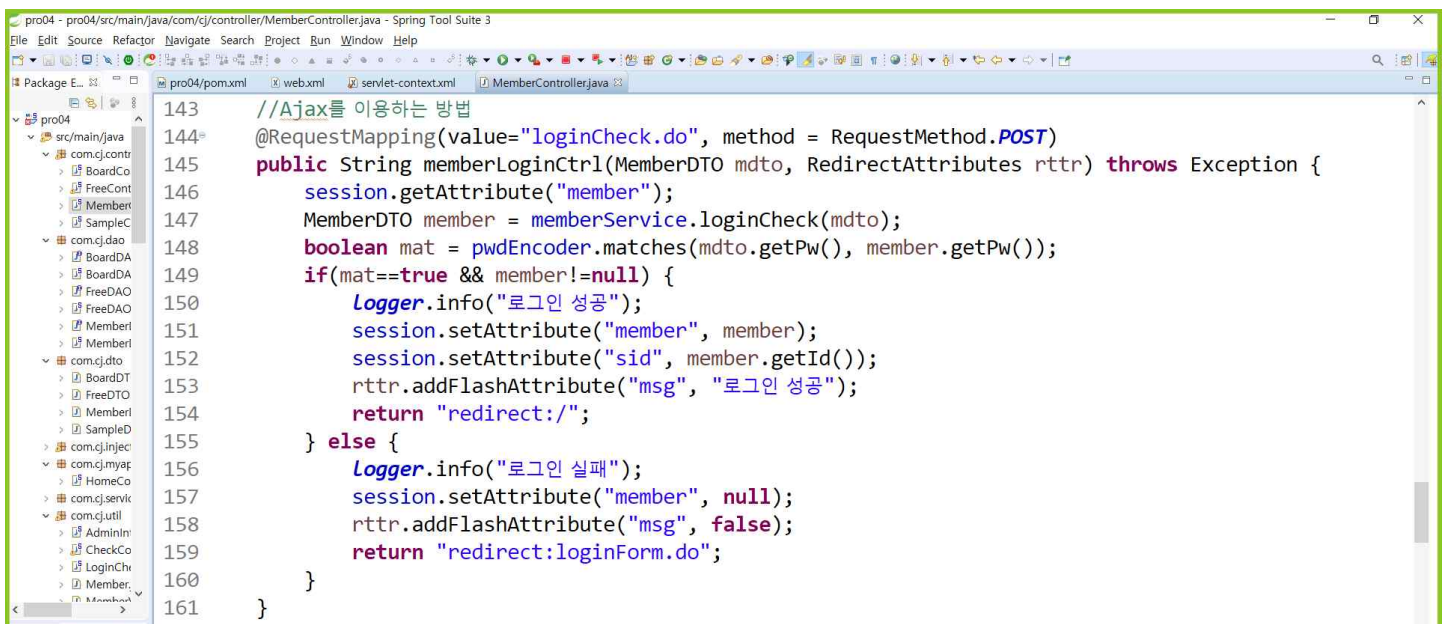
Overview | Dependencies | Dependency Hierarchy | Effective POM | pom.xml

Console ✕   Progress   Problems
Tomcat v9.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (2022. 11. 28. 오후 2:05:24)

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2. pro04/src/main/java/com.cj.controller.MemberController.java 에 Ajax Login 처리 메서드 등록

pro04 - pro04/src/main/java/com/cj/controller/MemberController.java - Spring Tool Suite 3
File Edit Source Refactor Navigate Search Project Run Window Help

pro04/pom.xml | web.xml | servlet-context.xml | MemberController.java

```java
143        //Ajax를 이용하는 방법
144        @RequestMapping(value="loginCheck.do", method = RequestMethod.POST)
145        public String memberLoginCtrl(MemberDTO mdto, RedirectAttributes rttr) throws Exception {
146            session.getAttribute("member");
147            MemberDTO member = memberService.loginCheck(mdto);
148            boolean mat = pwdEncoder.matches(mdto.getPw(), member.getPw());
149            if(mat==true && member!=null) {
150                Logger.info("로그인 성공");
151                session.setAttribute("member", member);
152                session.setAttribute("sid", member.getId());
153                rttr.addFlashAttribute("msg", "로그인 성공");
154                return "redirect:/";
155            } else {
156                Logger.info("로그인 실패");
157                session.setAttribute("member", null);
158                rttr.addFlashAttribute("msg", false);
159                return "redirect:loginForm.do";
160            }
161        }
162
```

3. pro04/src/main/webapp/WEB-INF/views/home.jsp 에 Ajax Login 할 로그인 폼을 작성

pro04/pom.xml   web.xml   servlet-context.xml   MemberController.java   home.jsp

```
 50      <c:if test="${empty sid }">
 51      <form action="${path1 }/member/loginCheck.do" method="post" name="loginForm">
 52          <div class="grid-x">
 53              <div class="small-12 cell">
 54                  <label>Login ID
 55                      <input type="text" name="id" id="id" size="100" class="single100" placeholder="아이디 입력" required>
 56                      <!--  pattern="^[a-z0-9]+$"  -->
 57                  </label>
 58              </div>
 59              <div class="small-12 cell">
 60                  <label>Login PW
 61                      <input type="password" name="pw" id="pw"  class="single100" placeholder="비밀번호 입력" required>
 62                      <!--  pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}"  -->
 63                  </label>
 64                  <button type="submit" class="button">LOGIN</button>
 65                  <a href="${path2 }/member/agree.do" class="button" style="float:right;">회원가입</a>
 66              </div>
 67          </div>
 68      </form>
 69      <script>
 70      function loginFaiure() {
 71          alert("로그인 실패");
 72      }
 73      </script>
 74      </c:if>
 75      <c:if test="${not empty sid }">
 76       <div class="grid-x" style="height:218px">
 77          <div class="small-12 cell">
 78              <label><strong>${sid }</strong>님 안녕하세요~!</label>
 79          </div>
 80          <div class="small-12 cell">
 81              <label>  </label>
 82          </div>
 83          <div class="small-12 cell">
 84              <label>
 85                  <c:set var="now" value="<%=new java.util.Date() %>" />
 86                  <fmt:formatDate value="${now }" pattern="yyyy년MM월dd일" type="date"/>
 87              </label>
 88          </div>
 89          <div class="small-12 cell">
 90              <label><fmt:formatDate value="${now }" pattern="a h:mm" type="date"/></label>
 91          </div>
 92          <div class="small-12 cell">
 93              <label><span style="display:none">${serverTime }</span></label>
 94          </div>
 95          <div class="small-12 cell">
 96              <label> </label>
 97          </div>
 98       </div>
 99      </c:if>
100     </div>
101     </div>
```

Console   Progress   Problems

Tomcat v9.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (2022. 11. 28. 오후 2:05:24)
INFO : com.cj.myapp.HomeController - Welcome home! The client locale is ko_KR.

/div/#text   Writable   Smart Insert   74 : 20 : 3052