

1. pom.xml에 의존추가 부분

```
<!-- JDBC -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-jdbc</artifactId>
        <version>5.2.8.RELEASE</version>
    </dependency>
<!-- mybatis -->
<dependency>
    <groupId>org.mybatis</groupId>
    <artifactId>mybatis</artifactId>
    <version>3.5.5</version>
</dependency>
<!-- mybatis-spring -->
<dependency>
    <groupId>org.mybatis</groupId>
    <artifactId>mybatis-spring</artifactId>
    <version>2.0.5</version>
</dependency>
<!-- lombok -->
<dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.18.8</version>
    <scope>provided</scope>
</dependency>

<!-- Mail sender -->
<dependency>
    <groupId>javax.mail</groupId>
    <artifactId>mail</artifactId>
    <version>1.4.7</version>
</dependency>
<!-- file upload -->
<dependency>
    <groupId>commons-fileupload</groupId>
    <artifactId>commons-fileupload</artifactId>
    <version>1.3.1</version>
</dependency>
```

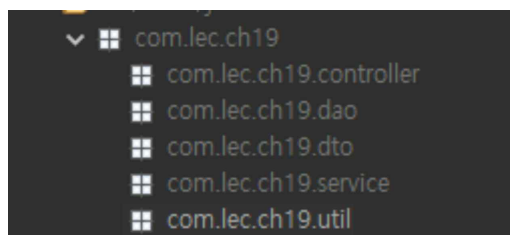
2. web.xml에 한글처리부분 및 *.do처리 부분

```
<servlet-mapping>
    <servlet-name>appServlet</servlet-name>
    <url-pattern>*.do</url-pattern>
</servlet-mapping>
<!-- 한글처리 -->
<filter>
    <filter-name>encodingFilter</filter-name>
<filter-
class>org.springframework.web.filter.CharacterEncodingFilter</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>
```

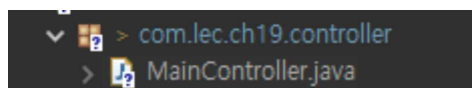
3. index.jsp 생성

main.do로 가라

4. 필요한 패키지 생성



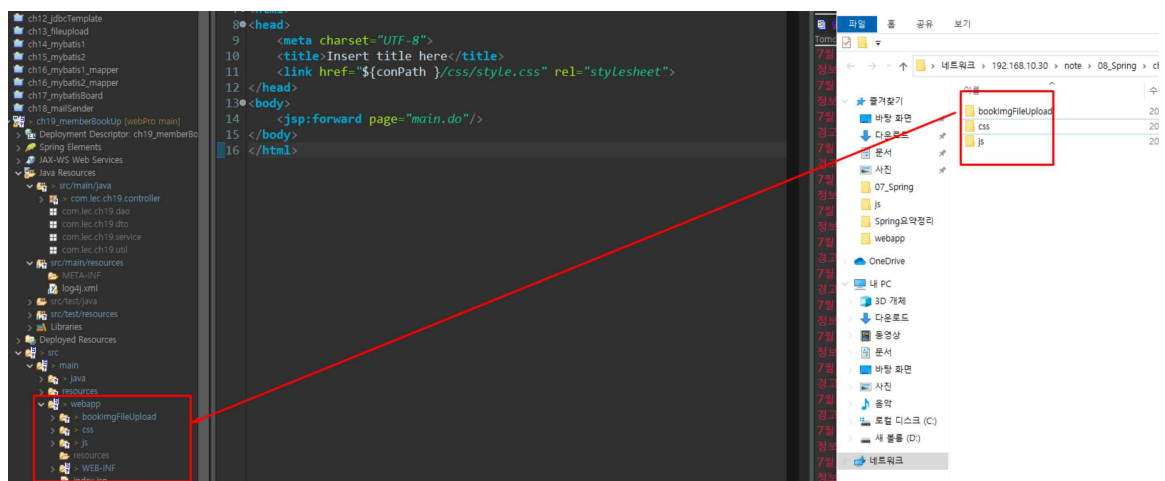
5. 컨트롤러 생성 (min.do만 처리할 아이)



6. 지금까지 오타 없는 확인

```
@Controller
public class MainController {
    @RequestMapping(value="main" , method = {RequestMethod.GET,RequestMethod.POST})
    public String main() {
        return "main";
    }
}
```

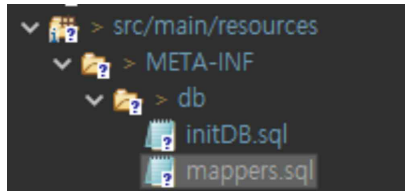
-필요한아이 webapp 에 가져오기



-servlet에 필요한 아이

```
<!-- Handles HTTP GET requests for /resources/** by efficiently serving up
<resources mapping="/resources/**" location="/resources/" />
<resources mapping="/bookImgFileUpload/**" location="/bookImgFileUpload/"
<resources mapping="/css/**" location="/css/" />
<resources mapping="/js/**" location="/js/" />
<resources mapping="/img/**" location="/img/" />
```

-db생성



-initDB

```
-- SEQUENCE & TABLE DROP/CREATE
```

```
-- DUMMY DATA INSERT
```

```
DROP TABLE BOOK CASCADE CONSTRAINTS;
```

```
DROP TABLE MEMBER CASCADE CONSTRAINTS;
```

```
DROP SEQUENCE BOOK_SEQ;
```

-MEMBER 테이블

```
CREATE TABLE MEMBER(
```

```
    mID VARCHAR2(100) PRIMARY KEY,
```

```
    mPW VARCHAR2(100) NOT NULL,
```

```
    mName VARCHAR2(100) NOT NULL,
```

```
    mMAIL VARCHAR2(100) NOT NULL,
```

```
    mPOST VARCHAR2(100),      -- 우편번호 (API사용)
```

```
    mADDR VARCHAR2(100)      -- 주소
```

```
);
```

- BOOK테이블

```
CREATE SEQUENCE BOOK_SEQ MAXVALUE 99999999 NOCYCLE NOCACHE;
```

```
CREATE TABLE BOOK(
```

```
    bNUM NUMBER(8) PRIMARY KEY,
```

```
    bTITLE VARCHAR2(100) NOT NULL,
```

```
    bWRITER VARCHAR2(100) NOT NULL,
```

```
    bRDATE DATE DEFAULT SYSDATE NOT NULL,
```

```
    bIMG1 VARCHAR2(100) DEFAULT 'noimg.png' NOT NULL,
```

```
    bIMG2 VARCHAR2(100) DEFAULT 'noimg.png' NOT NULL,
```

```
    bINFO VARCHAR2(1000)
```

```
);
```

-- DUMMY DATA INSERT

```
INSERT INTO MEMBER VALUES ('aaa','1','손석구','son@naver.com','12345','서울');
```

```
INSERT INTO BOOK VALUES (BOOK_SEQ.NEXTVAL, 'SPRING','김이나',SYSDATE,
'noimg.png','noimg.png','스프링개념서');
```

```
INSERT INTO BOOK (bNUM, bTITLE, bWRITER, bRDATE, bIMG1, bINFO)
```

```
VALUES (BOOK_SEQ.NEXTVAL, 'ORACLE','고작가',SYSDATE, 'noimg.png','스프링개념서');
```

```
INSERT INTO BOOK (bNUM, bTITLE, bWRITER, bRDATE, bINFO)
```

```
VALUES (BOOK_SEQ.NEXTVAL, 'ORACLE','고작가',SYSDATE,'스프링개념서');
```

```
SELECT * FROM BOOK;
```

-mappers

-- Member.xml(회원가입, id로 memberDto로 가져오기, 로그인, 정보수정)

--Book.xml (페이징없이 신규순list, 페이지징! 포함도서list(책이름순), 책갯수, 상세보기, 도서등록, 도서수정)

-- Member.xml(회원가입, id로 memberDto로 가져오기, 로그인, 정보수정)

-- idConfirm

SELECT * FROM MEMBER WHERE mID='aaa';

-- joinMember

INSERT INTO MEMBER VALUES ('bbb','111','유재석','yu@naver.com','67890','서울');

-- getDetailMember

-- modifyMember

UPDATE MEMBER SET mName='오석구',

mPW = '123',

mMAIL = 'kok3443@naver.com',

mPOST = '12345',

mADDR ='제주'

where mID='aaa';

SELECT * FROM MEMBER WHERE mID='aaa';

--Book.xml (페이징없이 신규순list, 페이지징! 포함도서list(책이름순), 책갯수, 상세보기, 도서등록, 도서수정)

-- mainList

SELECT * FROM BOOK;

SELECT * FROM (SELECT ROWNUM RN, A.*

FROM (SELECT * FROM BOOK ORDER BY bRDATE DESC)A)

WHERE RN BETWEEN 1 AND 3;

-- bookList

SELECT * FROM (SELECT ROWNUM RN, A.*

FROM (SELECT * FROM BOOK ORDER BY bTITLE)A)

WHERE RN BETWEEN 1 AND 3;

-- totCntBook

SELECT COUNT(*) FROM BOOK;

-- getDetailBook

SELECT * FROM BOOK WHERE BNUM =1;

-- registerBook

INSERT INTO BOOK VALUES (BOOK_SEQ.NEXTVAL, 'SPRING','김이나',SYSDATE,
'nolmg.png','nolmg.png','마이바티스어려움책');

SELECT * FROM BOOK;

--modifyBook

UPDATE BOOK SET BTITLE='MYBA',

bWRITER = '이소영',

bIMG1 = 'noimg.png',

bIMG2 = 'noimg.png',

bINFO ='마이바티스'

where bNUM='4';

SELECT * FROM BOOK WHERE BNUM = 4;

- DTO 생성


```
.println( "백업파일 : " + backupPath + bimg[idx]); // 백업 : 했다가  
= filecopy(uploadPath + bimg[idx], backupPath + bimg[idx]);
```

```
private boolean filecopy(String serverFile, String  
backupFile) {  
    boolean isCopy = false;  
    InputStream is = null;  
    OutputStream os = null;  
    try {  
        File file = new File(serverFile);  
        is = new FileInputStream(file);  
        os = new FileOutputStream(backupFile);  
        byte[] buff = new byte[(int) file.length()]  
        while(true) {  
            int nReadByte = is.read(buff);  
            if(nReadByte == -1) break;  
            os.write(buff, 0, nReadByte);  
        }  
        isCopy = true;  
    } catch (Exception e) {  
        System.out.println(e.getMessage());  
    } finally {  
        try {  
            if(os!=null) os.close();  
            if(is!=null) is.close();  
        } catch (IOException e) {  
            System.out.println(e.getMessage());  
        }  
    }  
    return isCopy;  
}
```