

# SPRING

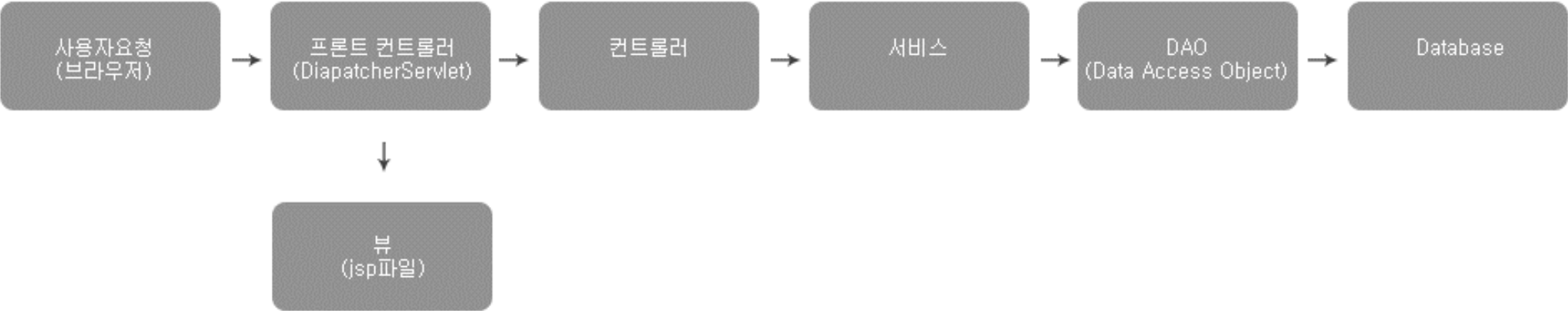
## 17강\_Service & Dao 객체 구현

웹 프로그래밍의 구조에서 Service와 DAO 객체의 구현에 대해서 학습합니다.

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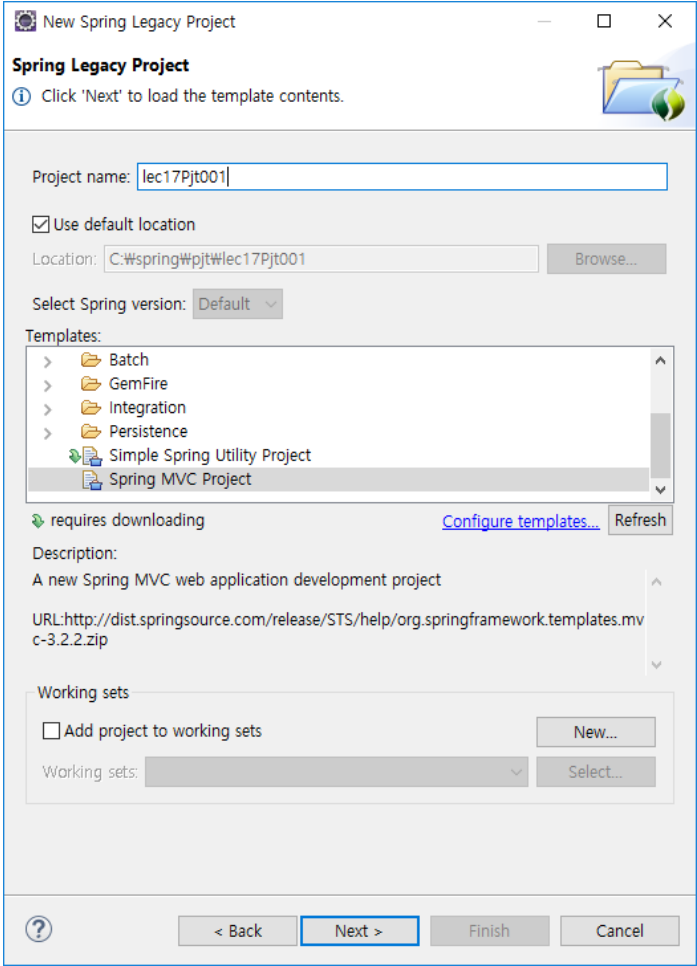
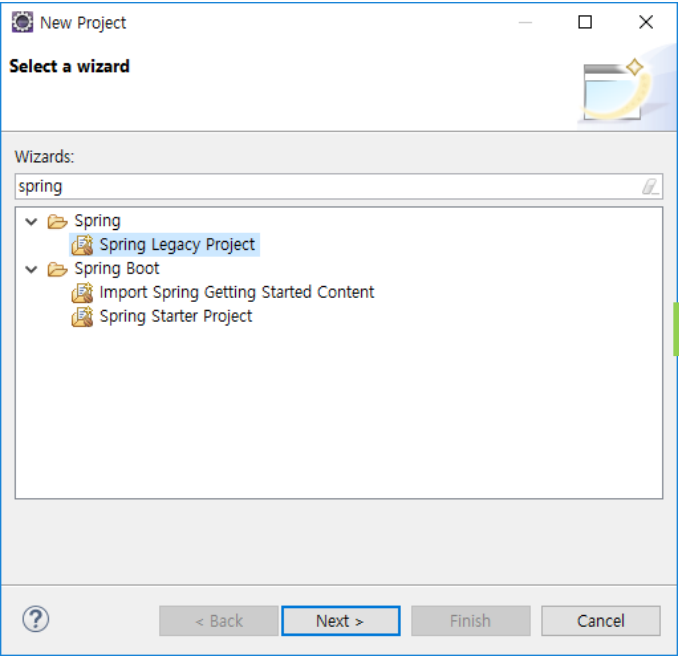
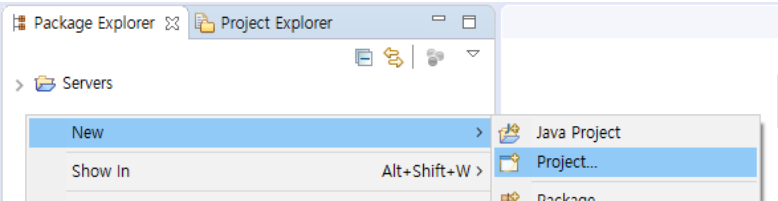
- 17-1 웹 어플리케이션 준비
- 17-2 한글 처리
- 17-3 서비스 객체 구현
- 17-4 DAO 객체 구현

# 17-1 : 웹 어플리케이션 준비

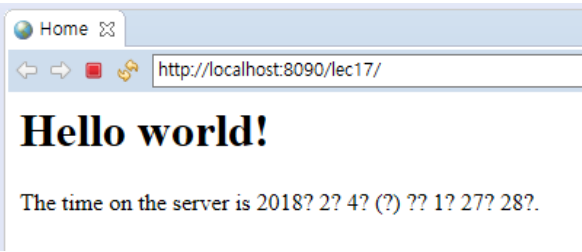
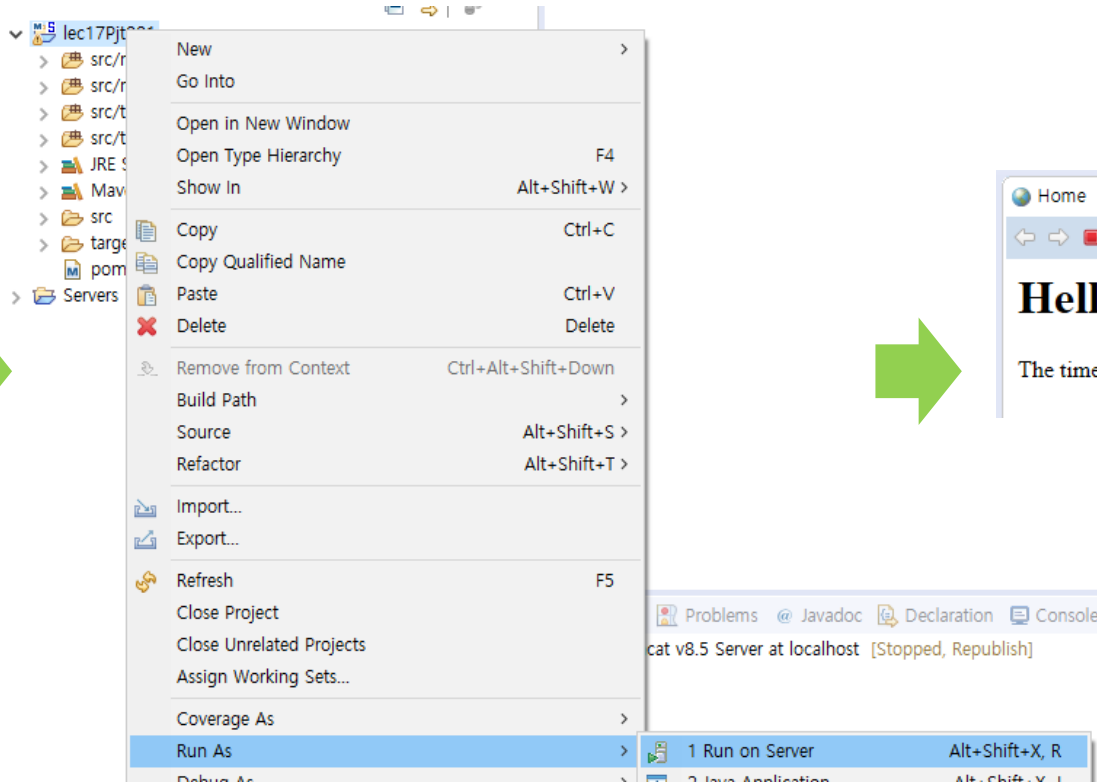
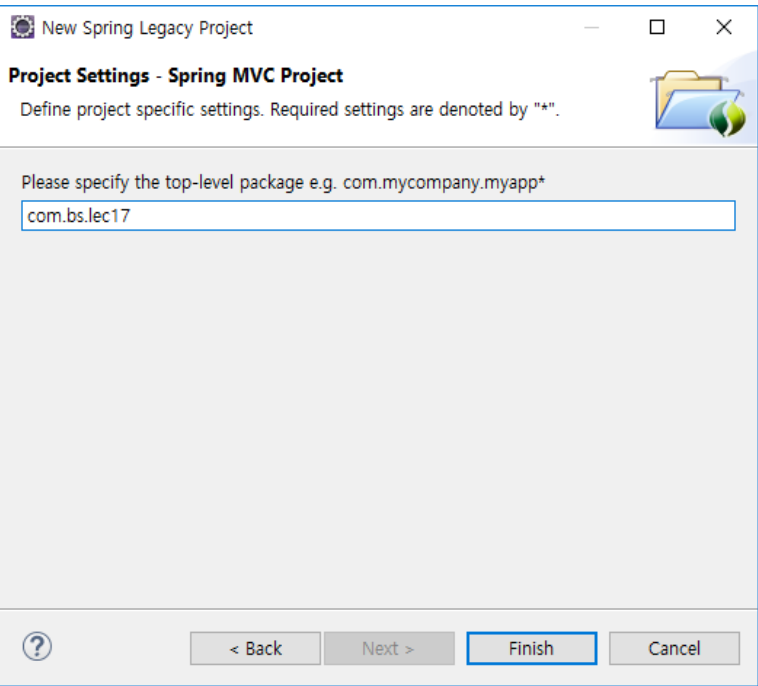


웹 어플리케이션의 일반적으로 프로그램 구조

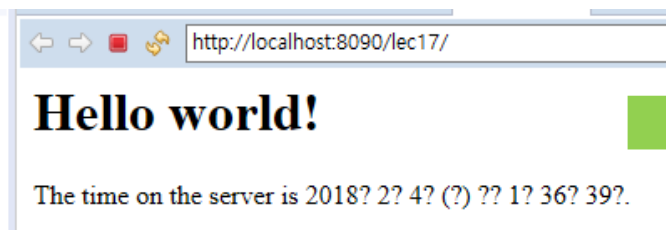
# 17-1 : 웹 어플리케이션 준비



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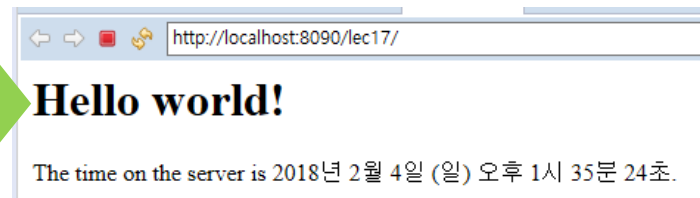
## 17-2 : 한글 처리



web.xml 파일  
↓

```
<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>
```



## 17-3 : 서비스 객체 구현

방법1 : new 연산자를 이용한 service 객체 생성 및 참조

```
MemberService service = new MemberService();
```

(수동 객체 생성)

방법2 : 스프링 설정파일을 이용한 서비스 객체 생성 및 의존 객체 자동 주입

```
<beans:bean id="service" class="com.bs.lec17.member.service.MemberService"></beans:bean>
```



```
@Autowired  
MemberService service;
```

(자동 주입)

방법3 : 어노테이션을 이용해서 서비스 객체 생성 및 의존 객체 자동 주입

@Service , @Component , @Repository

```
@Repository("memService")  
public class MemberService implements IMemberService {
```



```
@Resource(name="memService")  
MemberService service;
```

## 17-4 : DAO 객체 구현

방법 : 어노테이션을 이용해서 DAO 객체 생성 및 의존 객체 자동 주입

```
@Repository  
public class MemberDao implements IMemberDao {
```



```
@Autowired  
MemberDao dao;
```