

스프링시작하기

스프링기 1) 객체 의존과 의존주입 2) 객체 조립 2) 객체 조립

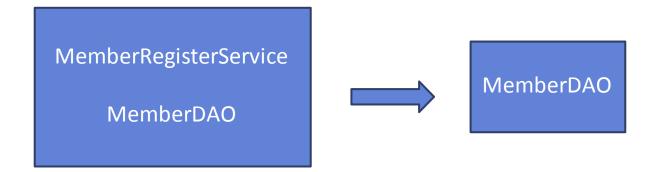
- 3) 스프링 DI설정

1.1 의존이란?

1) DI는 Dependency Injection의 약자로 우리말로는 의존주입이라고 번역한다.

```
public class MemberRegisterService {
    private MemberDao memberDao;

public MemberRegisterService(MemberDao memberDao) {
    this.memberDao = memberDao;
  }
}
```



1.2 스프링의 DI설정

AppCtx.java

```
@Configuration
public class AppCtx {
   @Bean
    public MemberDao memberDao() {
        return new MemberDao();
   @Bean
   public MemberRegisterService memberRegSvc() {
        return new MemberRegisterService(memberDao());
   @Bean
    public ChangePasswordService changePwdSvc() {
        ChangePasswordService pwdSvc = new ChangePasswordService();
        pwdSvc.setMemberDao(memberDao());
        return pwdSvc;
```

1.2 스프링의 DI설정

MainForSpring.java

1.2 스프링의 DI설정

MemberRegisterService.java

```
public class MemberRegisterService {
    private MemberDao memberDao;
    public MemberRegisterService(MemberDao memberDao) {
        this.memberDao = memberDao;
    public Long regist(RegisterRequest req) {
        Member member = memberDao.selectByEmail(req.getEmail());
        if (member != null) {
            throw new DuplicateMemberException("dup email " + req.getEmail());
        Member newMember = new Member(
                req.getEmail(), req.getPassword(), req.getName(),
                LocalDateTime.now());
        memberDao.insert(newMember);
        return newMember.getId();
```

1.4 생성자 방식 주입

앞서 작성한 MemberRegisterService 클래스를 보면 아래 코드처럼 생성자를 통해 의존 주입받아 필드 This.

```
private MemberDao memberDao;

public MemberRegisterService(MemberDao memberDao) {
    this.memberDao = memberDao;
}
```

1.4 실습

어노테이션

```
public class Greeter {
    private String format;

public String greet(String guest) {
    return String.format(format, guest);
    }

public void setFormat(String format) {
    this.format = format;
    }
}
```

```
@Configuration
public class AppContext {

    @Bean
    public Greeter greeter() {
        Greeter g = new Greeter();
        g.setFormat(format: "%s, 안녕하세요!");
        return g;
    }
```

1.4 실습

XML 방식으로 객체 조립



고맙습니다.