

# SPRING FRAMEWORK

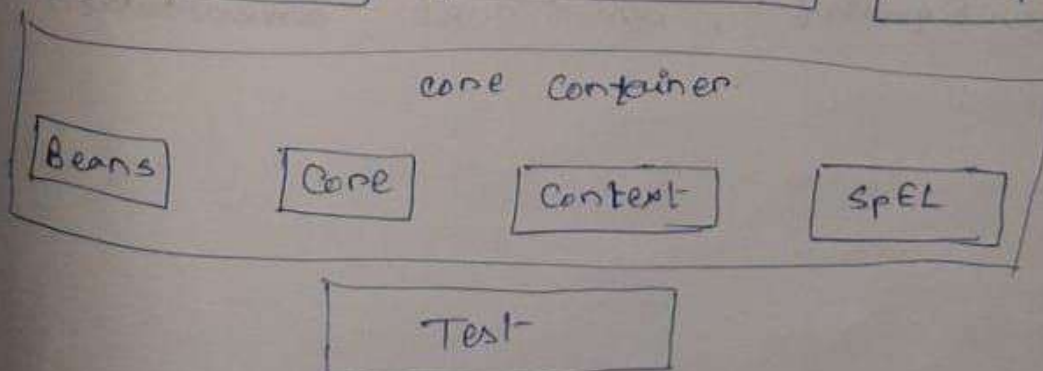
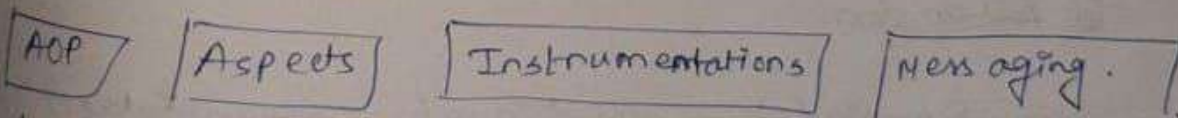
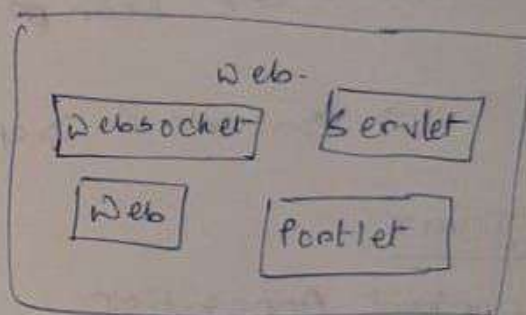
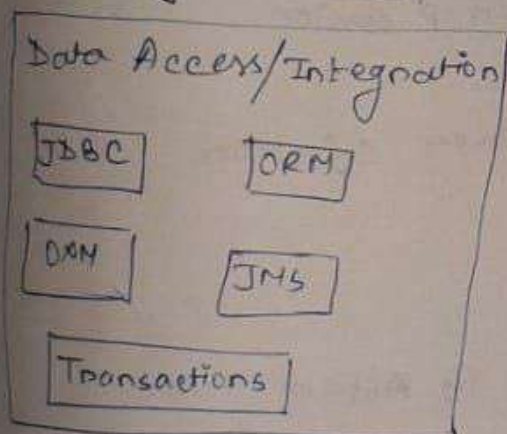
What is spring?

\* Spring is a dependency injection framework

## Terminology

- Beans
- Autowiring
- Dependency Injection
- Inversion of Control
- IOC Container
- Application Context

## Spring Modules



Why spring is so popular?

- 1) Enables Testable code
- 2) No plumbing code.
- 3) Flexible Architecture
- 4) Staying current.

Bean Scope.

Default - singleton

- singleton - One instance per Spring context
- prototype - New bean whenever requested
- request - One bean per HTTP request.
- session - One bean per HTTP session.

CDI → Context & Dependency Injection.

JUNIT

Important Annotation.

@ Before, @ BeforeClass, @ After,

@ AfterClass

assertEquals(), assertTrue(), assertFalse()

## Spring Boot-

Spring Boot rewrites an Application Server into a Web Server.

### Features.

Quickly create Spring applications

Embedded Servers - Tomcat, Jetty or Undertow

Quick Starters Projects with Auto Configuration

- Web

- JPA

## Spring AOP

AOP → Aspect oriented programming.

@Aspect is combination of Join Point & Advice.