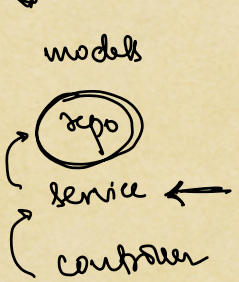
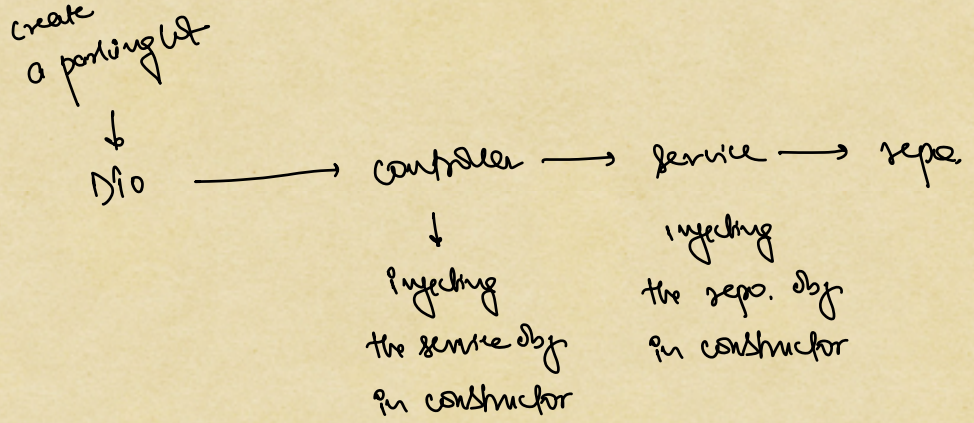
→ Inversion of Control ⇒ IoC Container

→ Dependency Injection

→ TicTacToe

→ ParkingLot]





ParkingLot ⇒ developer is responsible for managing dependencies.

⇒ IoC ⇒ The control over dependency injections [create & inject] is taken away from "main functional code" and is done by the framework / language that is being used.

⇒ IoC Container ⇒ part of Spring that actually takes care of dependency Injection in Spring.

⇒ main class / starting class is responsible for creating all the required Objects, but it is inverted in Spring.

⇒ IoC Container is responsible for managing bean lifecycle :-

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BEAN is Objects required for running the appn

⇒ Bean lifecycle

i) Instantiation ⇒ very first step is Object Creation

ii) Populate the properties ⇒

⇒ Injecting dependent Objects ⇒

- Constructor Injection
- Setter Injection
- Field / Attribute Injection

iii) Set Bean names

iv) Beanfactory ⇒ map the bean names & Objects.

v) Pre-Initialization → Initialization → Post. Initialization

vi) Bean is ready

vii) Bean destruction.

Pre-Initialization → injecting the objects in required attribute field

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Initialization → getting the ready to use Object

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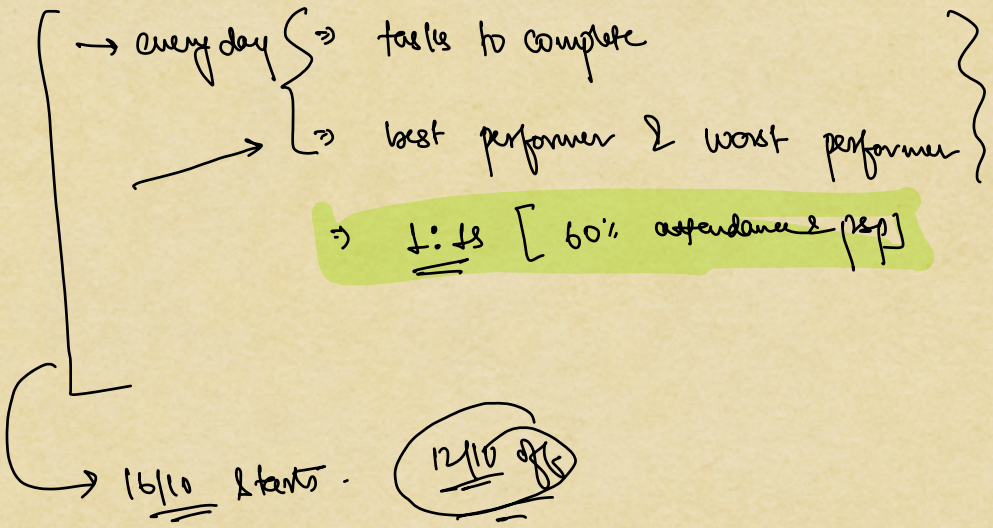
post Initialization ⇒ take care of post initialization steps / tasks.



Short break = 8:25AM