noîtotonno bereiwotus (s)

it is used to automise sparing bean on setter methods, instance, variable, and contanuctors when we use Quuto-wised annotation, the sparing container auto-wises the bean by matching data-type.

Restrontonoller! - This annotation is used at the class level and allows the cals to handle requests made by the chient

detr! - Restantaroller is a convenience annotation foor careating restauting restauting contarollers.

- estables: noitationa annotation ! nolicates @.

 That a posticular class sove that a contendo of a contendor.
- Requestmapping! 18 the most common and widely used annotation in spaning muc, it is used to map web snequests onto specific hardler classes and methods
- @ Getmapping! it maps the HTTP GET Stequests
 on the specific handles
 wethood.

as asser part survey or how it fi

Postmapping 1-8+ maps the HTTP Post
stephenses on the specific
handler method

「田島」ではないからに、さいないは、たけ、ログリーの作っていい。

- Mar thor during prince

- -s on the specific handler.

 Method.
- @ Detetemapping! Et maps the HTTP Delete Stequests on the specific handler method.
- Requestroody !- annotation is applicable to handler methods of spring contabiler -3. this annotation indicates that spring should describbre a siequest body into an object.
 - Rothwariable! 9t is used to enteract the value forom the URI.

requestParam) - 8t is used to enteract
the query Parameters form the
URL. 8t is also known as
a query Parameter,

entity! - annotation specifies that the class is an entity and is mapped to a database table.

Posta! - @ Data is a convenient annotation to that combines the features of

@ to storing

@ getten

@ 3eHen.

would 1- it allows validate object graphs with a single call validation.

ivored no son noitboiler real posen - (mesthod of sealed with the she in pose of the one of the one

@service! - 8t 18 also used at class. level,
8t tells the spaning. that class.
Contains the business logic.

@ SIFW '- coneates the 100ger.

Repositiony! - annotation @ enerositoeny is a Dota Access object that access the dotabase dienectly.

@ Querry, - @gu @ Querry annotation declar -es finder queries disnectly on snepository methods, @component 1- 18 an @annotation that allows spains to athermatacily detect our cowers bears.

JPARepol - TPA is a specification which specifies how to access, manage and pensist information I data between Java objects and sulational databases

Dro! - 100 it is a Data Texansfer object

Design Pattern. Et is bossically used

to pass data with multiple attentibutes

in one shot ferom client to server,

to avoid multiple calls to a siemote

server.

exceptionHandler, @ exceptionHandler annotation is an annotation used to handle the specific exceptions and seep sending the custom suspenses to the client.

Contenduice fee @ contenduice annotation

is an annotation to handle

the exceptions globally

Runtimeenception Dest it define a class
that entends the nuntimeenception
class.

global emerption Handler 1 - is a type of wark flow designed to determine the Parisect's behavior when encountering on evertion estron.

(8)

@SL4F -

Of course, the flexibility that such an abstraction provides is the main reason to use SLF4J to decouple your application from the underlying logger by allowing it to be plugged in - at runtime. This is the main purpose of SLF4J (Simple Logging Facade for Java) — a logging abstraction which helps

@SpringBootApplication —

It will scan all it sub packages, controller, services, dto used to mark the mark class of a spring boot application,

It contains @EnableAutoConfiguration, @Configuration, @ComponentScan

- @EnableAutoConfiguration Auto configures the application context, automatically creates & registers beans based on JAR and class path files
- 0 @Configuration — It is a class level annotation that tells there are one or more beans to deal with, always used with @ComponentScan
- @ComponentScan Find bean inside container.
- @IOC Container It controls the workflows of the code in the beans or container.
- or portions of a program to a container or framework. Inversion of Control is a principle in software engineering which transfers the control of objects

electronication of the class-level annotation the class annotated with @configuration used by spring containers as a source of bean definitions.

- Dean !- It is a method-level annotation, it is an alternative of xML< bean} tag. it tells the method to peroduce a bean to be managed by spering container.
- @ components cam? 8t is used when we want to san a Package took beans. 8t is used with the annotation @ configuration, we can the annotation the base Packages to san for also specify the base Packages to san for spring components.

DTO-

It is basically used to pass data with multiple attributes in one shot from client to server, to avoid multiple calls to a remote server.

What is DTO and DAO in spring boot?

DAO is a class that usually has the CRUD operations like save, update, delete. DTO is just an object that holds data. It is JavaBean with instance variables and setter and getters. The DTO is used to expose several values in a bean like fashion.

interfaces, data, and controlling logic. It emphasizes a separation between the software's business logic MVC (Model-View-Controller) - is a pattern in software design commonly used to implement user and display. This "separation of concerns" provides for a better division of labor and improved maintenance. Aspect Oriented Programming (AOP) - compliments OOPs in the sense that it also provides modularity. But the key unit of modularity is aspect than class.

AOP breaks the program logic into distinct parts (called concerns). It is used to increase modularity by cross-cutting concerns.

33. What is dependency Injection?

The process of injecting dependent bean objects into target bean objects is called dependency injection.

by calling the setter method.) Setter Injection (The IOC container will inject the dependent bean object into the target bean object

object by calling the target bean constructor. Constructor Injection: The IOC container will inject the dependent bean object into the target bean

Reflection API. Field Injection: The IOC container will inject the dependent bean object into the target bean object by

Hibernate -



Lombok

This is Part 1 of the Spring Boot with Lombok post. In this part I'll discuss the following Lombok constructs:

var and val

@Getter, @Setter

@NoArgsConstructor, @AllArgsConstructor

@Data

@NotNull

non-final fields, as well as a constructor Code and equals implementations that check all non-transient fields. Will also generate setters for all Lombok Data annotation (@Data) Generates getters for all fields, a useful to String method, and hash

Minimize clutter, boiler plates, like to string, constructor, getter setters.

@Data-

@Data generates all the boilerplate that is normally associated with simple POJOs (Plain Old Java @EqualsAndHashCode, @Getter / @Setter and @RequiredArgsConstructor together: In other words, @Data is a convenient shortcut annotation that bundles the features of @ToString,