SPRING BOOT spring boat is Java-based shring Kery Components of Sprung Bramework used for Rapid Application Development. It has Shring Boat auto-confliguration extra support of auto, confug-Spring Boat CLI wation and embedded applicate " storated POM's server like tomcat Jetty et. 11 11 Activators. F Features Some Lon paints which shrwing boat affer but shring busnit · Oceate stand alone showing application with minimal configuration enceded. · Started POM's . It has embedded tomat Jetly · Version Management which makes it Just cade and. · Auto confligwation suon the application. Component seanning · No requirements for XML configure. · Embeded Serveri. 1. Swing Application 2. lasy · In Momoroury PB. Initialization · Actuators. 3. Amin fleatures 4. Saviety storter dependency of springs. 5. logging. 6. Cacherno 8. Validation · Data JPA storter 7. Katlin Support 9. JSON. . Test starter 10 tosting · Security Starter Shoduling 11. Task execution & · Web Starter Mail Starter advantage of using Spring Boot Thymaleaf storter. . shring boot is an existing brama work with the addition of an How does SB words. embedded HTTP server and Spring Boat automptically confligu. annotation configuration which makes it easier to understand res your application based on the dependences you have and faster the process development added to the project by using · Invosse productivity & roduce annotation. The entry pount development time. of the shring boot application consiguration only a flew animation ore required to so the constiguration. is the class that contains and the main method.

Spring Boat CLI & What a its benefits Dung boat automatically san all the component included in the spring Boat Cli is a command-line project by using a component interface that allows you to Lan annatation. create a string-based Tawa · O Showing Boat Application annatation application using Growy. 99 2 We fort need to oreate to internally: getter and setter method or. > The @Spring Boat Application alless modeflers return statemen annotation is equivalent & ison It automatically was for us. Confliguration a Enabled fluto-Confliguration. a component San with their default attributes. The What is strong Boat Lependens, management Spring Boat enables the Leveloper. => Shring Boat dependency to use a single annotation unstead management is used to manage of using multiple. But as we dependencies and configuration know, spring projuded wasely coupled features that we can use automatically without you sheafy the Version for any for each annotation as per our of that depondencies. present needs. What is spring Actuator? ? What are its advantages? @ Component Sean in the classifiety > Strung Boot Application. Samall => An actuator is an additional the bean and payinge declaration. features of Spring that helps you when the application initializes. to monitor and manage your. you need to add the @ Component application whom you push it to scan annatation for your class production. These actuators wells file to sean your components atting heart health, CPU weage, HTTP hits, and metric gatheren added to your presents. and many more that are autostarter dependencies matically applied to your appli-Spring boot starter is a mount template that contains a collection totion. of all the scolouent transitive How to enable Activator in dependencies that are needed shring boot hipplication? dependency - shrung-boot-storter-autivator in promisal

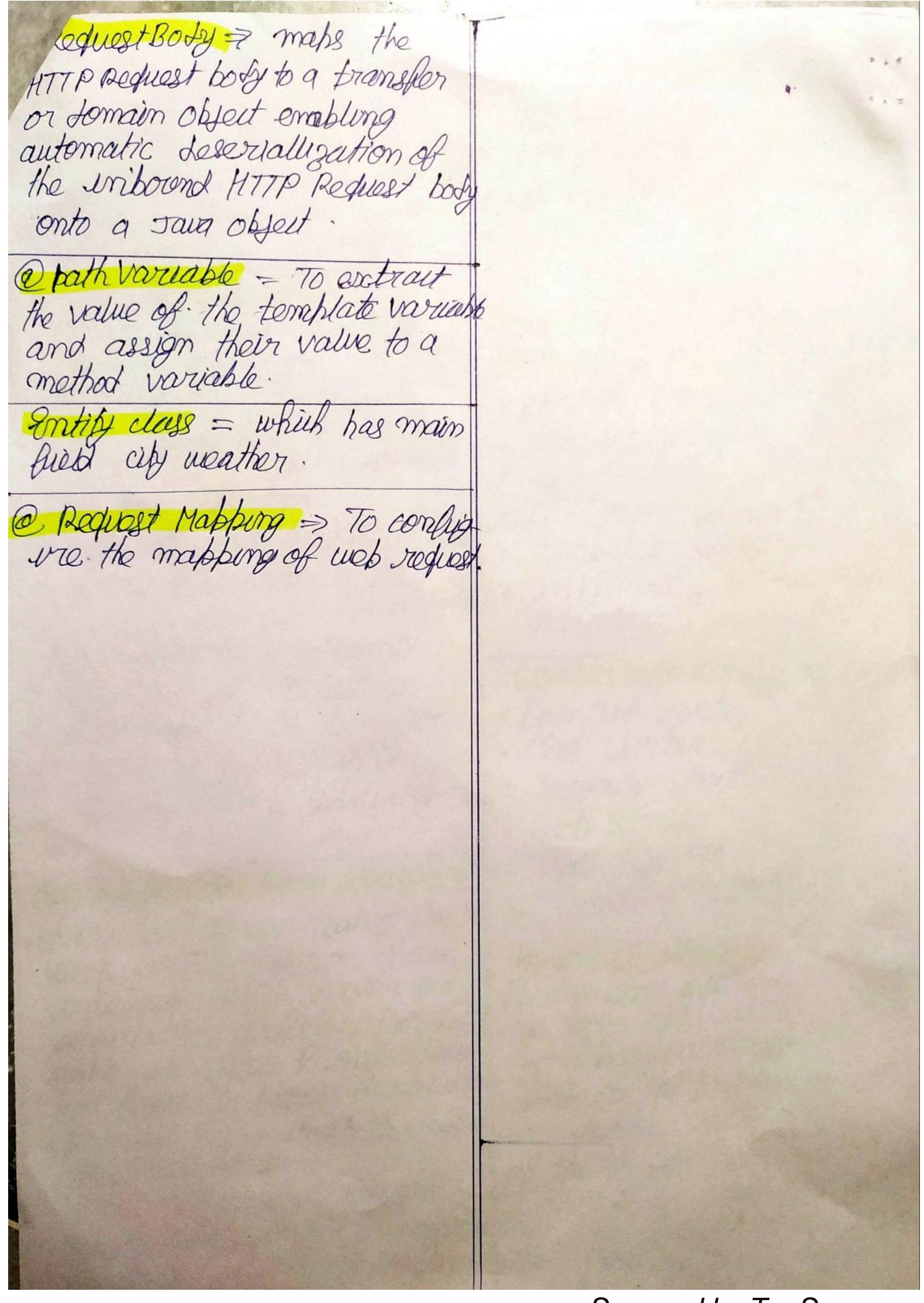
Spring Boat @ Validate = whole class has to Dependency In be validate. What is Lependenier Injection ->. The process of injecting @ valid = we have to valid this dependent bean object into target parameter, the field of this bean objects is called dependency class will to validation is montion in dass. injection. Setter Injection => The IOC container @ Component => that allow will import the dependent bean. Spring to automatically Letter by calling the storter method. our custom beams. 1. Seamour application for dasses 2. Instantiate them and inject of any should dependencies · Constructor Injection > The ICC container will imject the dependent into thom. Insect thom who rever needed bean object into the tweet bean object by calling the torget bean @ Dowment => Used to identify constructor. Ja tomain objects which is · Field Insection: - The IOC container porsisted to mongo PB. will insect the dependent bean - It use to map a Java dass into collection inside mongos Object into the target bean object by Reflection API. @ Id. -> Prumary Key of an entify. Inhat is IOC container? Toc Container is a framowork @ remorated Values > for implementing automatic depondency Provide for the sherifluato. injection - It manages object creation and its like - time and also Injects of generation strategies for the value of primary dependency into class. Ley. Eureka Servier => is an abblication that holds the information about all dient service application Every e Service => is used town our service layer and micro-service will register into annitation annotates class the ewooka-sower and - Ewrecka. that perform somine tack. server known all the dient application running on gark

@ Component Scan = Sprung Mongo Repository = provide boot to sean the avoident paul all the necessary methods what helps to occate a CRUD application and its sub package in order to identify annatated classes It is an unterface & it contain and consigure them as strang anothed of CRUD. beans. For containor. EAutouvired => used for dependency insection. All loaded beans @ Rost Contraller => used for ore eligible for auto uning making restful web service.

Ilsed at class level and allow to another bean. >> to autouvered a bean into the class to handle the reguest another bean. made by client. Beam => is a Java object crowted @ Got Mapping => Hamble GET by string framworks when type of request method.

application starts.

amything a socium database of PostNapping = handle POST comment most beans depends on type of request method. other beans to work. @ Depository = is a spellaliza @ Confliguration > class has@Boan I ion of @ component annota
defination anothed. tron which is used to inticate showing container can process that the class provides the the class and generate Shring mechanism for storage, retrice Bean to be used this application val update, delete and south approation on object. @ Value = assign default @Rest Contraller Aduice > it value to variable and mother auto detect via class bath a goments Enable Auto Configuration > All class extention will handle small shring boat auto configurated > To show the mossage of server. @ Enable Auto Configuration > - Huto Configuration relier to @ Response Status = matela a executing beans automatically, method or exception class with by scanning the class path. massage that should be Scanned by TapScanner



MuroSerimo Howantage of muous some Monalithic Architecture > It is passible to change or upgrade each sorvice indivision trally rather than upgrade. monotithu application has sunga cate base with multiple modules. in the entire application Con PServille! -dao! 3 -> Service 2-dao2-, DB One source may town without imparting to other. 3 - Service 3 -daos · Easily use Lighterent technolog Disadvantage of monolithic for bulding different muro . As a present scale, it become Duiles. difficult to manage. · For a single change tradeploy-Evrela Service > is an applimond of whale application needs cution that holds the information · Difficult to adapt new technology about all ettent service applica Hon. Every murosoriure ins for single fonctionally. · Single bug may town your. whale applicat. register into the Eureka some and Evrelia Server Linouen all the client application. Advantage of monaluthue swanning on each portal. Application. · Simple to develop simple to build, and deploy. Problem of notwork latery ore relative less. Muservue Nurrosorvine are the small servine that work together. These smaller soulle communicating with each other directly using Light weight protocols Mile Http. Those, component are less waplang.