SPRINGBOOT QUICK START

- (2) Requests Get read data from server Post send new data to server
 - Put updat existing data
 - → Delete delete a resource leg its ID
- 3) Maven you mention what you need in poor aml It contains list of defendencies that Maven needs to know Maven goes to the repository where everything is kept and brings them.

Meta dependency - pulls all the dependencies you need. You jud need to leving this one.

(10) Spring Application run (App. class, args) Serforms class path scan

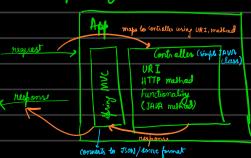
sets ut default config. Starts spring application context

(1) Controller - JAVA class with vertain anmorations

These ammorations let Spring know what URL to map to and what happens when requests some to URL

REST APJ - representational state transfer - is a way for different software systems to communicate over the internet wing HTTP methods like GET, POST, PUT, DECETE. Data is usually enchanged in JSON/XMC format.

- (a) Request Mapping ("/hello") whenever request at URI /hello, method below will be executed. Works for all methods but you've to mention by default GET.
- 12 Return object is awarmodically converted into JSON and sent as ATTP nesponse.
- B Spung MVC



(12) In Spring by default, all beans a and shared across the applications	ure singleton scoped, meaning only! Objection - even if it is used in multiple	e of a class is created
	·	
- makes the class availa	a lean of that class automatically— lb for defendency injection	
@ Survice	@hes Controller	
public class calc {	public class A{ @Awawired	
public int add (inta, intb){	privat calc service;	
neturn a+b;	@ Cut Mapping ("/add") public int add (@Regusteren into, " into) ruturn sourice add (a, b);	
?	nutuum suura add (a, b),	
ζ		
<u>.</u>		
A Autominud it am ammalation	and the automotive 11 in inch (to	mma.a)
The slow int annumbation	used to automatically inject (con	Willes /
one class into another.		
	(a lemborant	
(1) Component	public class con S @ Autowired	
public class Engine?	- privati Engine englne;	
public void stant()	public vaid drive()	
Soplin (Engine Started");	Engin star (), Septin ("Ear is moving");	
J	3'	
(18) Path with variable id		
@ Request Mapping ("/topics/i(id) ")		
Rublic Topic get Topic (@Path Vanialele String	$q(\vec{d})$	
E rectum topic bernice. get Topic (id); 3		
(10) @ Riques Mapping (method = Request Neth	od. POST valu="/tobics")	
public void and tobic (@ Request Body	Tobic tobic)	
public void and Topic (@ Request Body topic);		
F		
@ Renness Bady - instructs She	ing to brind the incoming TON	onuload to
the Tobic Olivers	ing to bind the incoming JSON p	again w
aro repec sojaco		
(26) ORM -> Olyect Relation Tables	ral Mapping - maj JAVA oljer	ts to dotalase
JPA → Java Pousistoni	ce API → helps in ORM	
6 01		Created with
(28) (a) Id - marks the primary	RUL	

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lew.

J j

Dentity → annotation that tells spring book that this Java class should be mapped to a table in database Repository contains all methods to be used We le make an interface of the (muddefasitory and autowire it. Then we can use its intrult methods. use its interface Topic Repository extends Crud Repository (Topic, String)

entity type of primary

key

