## SPRINGBOOT QUICK START

- Requests → Cet - Head dats from server → Post - send new dats to server

  - Put updat existing data
  - → Delete delet a nesource leg its ID
- you mention what you need in poor aml It contains list of dependencies that Maven needs to know Maven Marien goes to the repository where everything is kept and brings

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

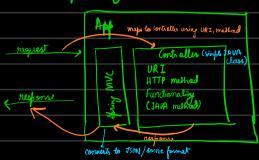
10) Spring Application run (App. class, args) > Performs class path scan

sets up default config. Starts spring application context

Controller - JAVA class with certain annocations These annitations 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 using HTIP methods like GET, POST, PUT, DECETE. Data is usually enchanged in JSON/XMC format.

- @hequestMapping ("/hello") whenever request at URI /hello, meshod below will be executed. Works for all meshods but you've to mention by default GET.
- Keturn eliject is awarmatically converted into JSON and sent as ATTP response.
- Spring MVC





(2) In Spring, by default, all beans and shared across the abb	are singleton scoped, meaning only! lication - even if it is used in mult	Object of a class is vacated
(a) service - tells spring to oreal	to a bean of that class automatical lable for defending injection	<u>ly</u>
— Makes the class (was	table for dependency infliction	
@ Service	@Rev Contraller	
public class calc {	public class A{ @Autowired	
public int add (inta, intb){	privat calc service;	
return a+b;	@ but Mapping ("/add")  public int add (@Regusteren inta, " inth)  rutuun souria add (a, b);	
3	3	
3		
@ Awourised is an annotation	on used to automatically inject	(connect)
one class into another.	U = J	
(a) Component	@ Component public, class Can S	
public class Engine E	@ Autowired	
public vaid start ()	privati Engine engine; public vaid drive()	
Soften (Engino Started");	sapin star (), sapin ("car is moving"),	
Š ,	33	
(18) Path with variable id		
@ Request Mapping ("/topics/s(id);")		
Rubbic Topic get Topic @Path Variable Str	ina(id)	
E rutuum topic beurice get Topic (id); ?		
(10) @ Rugues Mapping (meshod = Request Me	Shod. POST, value="/topics")	
public vaid and Topic (@ Request Bo	dy Tobic topic)	
public vaid and Topic (@ Request Bo topic service. add Topic (topic);	0 / /	
, , ,		
@Request Body - instructs &	bring to bind the incoming Isl	M payload to
the Topic object	- O	
, ,		
(26) ORM → Object Related	enal Mapping -> map JAVA of	lijects to database
Tables V	,, <u>()</u>	
- 0 · -		
JPA - Java Ponsister	nce API - helps in ORM	
6 61		Created with
(28) (a) Id → marks the primary	j key	Notewise Notewise

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 (mudrepository and autowire it. Then we can use its intrult methods.

use its intrult morrow.

public interface Topic Repository extends Crud Repository (Topic, String)

entity type of primary

key