SPRINGBOOT QUICK START

- Requests → Get - Head data from server → Post - send new data to server

 - → Put updat existing data → Delete delete a resource by its ID
- you mention what you need in poor aml It contains list of defoundencies that Maven needs to know

 Maven goes to the repository where everything is kept and brings them. Maven

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

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

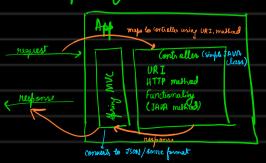
sets ut default config. Starts spring application context

Controller - JAVA class with certain annocations

These annotations let Spring know what URL to map to and what happens when requests come 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

- @ Request Mapping ("/hello") whenever request at URI /hello, meshod below will be enecuted. Works for all meshods but you've to mention by default GET.
- heturn elyect is automodically converted into JSON and sent as ATTP response.
- (13) Spring MVC



Notewise

and shared across the app	s are singleton scoped, meaning only object of dication - even if it is used in multiple f	f a class is created blaces.
- makes the class avail	t a bean of that class automatically lable for defendency injection	
@ Survice	@Rescontraller	
public class calc {	Autowired	
public int add (inta, intb) {	privat calc service; @ Get Mapping ("/add") public int add (@Regnerforam into, "into) nuturen service add (a, b);	+
return a+b;	nuturn sourice add (a, b);	
3		
A Autominud it an appointing	on well by automotically injusticens	
One class into another.	on used to automatically inject (conn	
3,0000000000000000000000000000000000000		,
(1) Component	@ Component public class Con S @ Autowired	
public class Engine E	- privati Engine unglne;	
public void start ()	public vaid drive() Engine stav (),	
Soften (Engine started");	septen ("car is moving");	
(18) Path with variable id		
@ Request Mapping ("/topics/ilid") Rubb'c Topic get Topic @lath Vaniable Stru	una (d)	
E rutuun topic beurice get Topic (id); }		
(10) @ Reguest Mapping (method = Request Me	Mod. POST, value="/topics")	
public vaid add Topic (@ Request Box topic service. add Topic (topic);	dy logic work	
_		
@RequestBody - instructs of	bring to bind the incoming JSON pay	doad to
the lopic object	U V	
200 00		
(26) ORM → Oliyect Relation Tables	enal Mapping - map JAVA objects	to dotalase
JPA → Java Pousister	nce API - helps in ORM	
28 @ Id → marks the primary	j key	Notewise

Dentity → annotation that tells springbood that this Java class should be mapped to a table in database

Repository contains all methods to be used.

We like make an interface of the (middle pository and autowire it. Then we can use its intrult methods.

use its intrust marrious.

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

entity type of primary
key