DNS (Donair Name System)

IP address?

- · It address is a unique numerical label assigned to each server or device connected to a internet.
- · In simple terms, it helps I device to locate another device on internet.

Domain Name?

ruman readable / briendly address used to identify a server or derice in the internet. like - google com, anazon com etc

Helps to translate domain name into Il addresses.

But how 1

show we 2 Approaches -

1. Recursive

2. Iterative

Sub domain Second level Top level domain Implicitly

Domain Name

FODN (Fully Qualified Domain Name)

(I) fecurive Approach

* At every system, OS level there is a DNS client already (Stub Resolver).

One DNS Record has below main information 1. Record Mame: contair domair name or sub domair name: &. CNAME Record: Carnonical Name, used to ALIAS one domain to other (subdomain only). blog·conceptand coding·com is an alias of conceptand coding · com 3. A (Host) Record: Address record maps a record name to an Il address. Enample -3) Record Manne - @ (Internally considered as type - 1 (A Record) domain name). A (Host) - 194.45.32.21 (I) Record Name - WWW - 5 (CNAM Type - 5 (CNAME) CNAME - conceptand coeling. com [CNAME - CNAME - CNAME - @]

Note - DNS Resolver provided by ISP or we have to find add of DNS source.

* pus fusiver will pick the own care ax its SMG resolver 3. what's tre It cold of www. conceptanderding com 6. I don't have an answer I ank with go baddy authoraive server, here is It add 5. It add of www. concept and cooling com 9. 4ed its 178-87.34.156 I denot have and , cht with con, you have It coldress? here is on IP add. Root when is never to for authoritative name servers TLD maintains the DMS Record Top luck Domain. noted DNS Record for each · edu Goo Daday usen · com line (Root domain)

Spring Boot Course

(Youtube)

Framework of Java
Spring Spring Boot

Strutz

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Microrot

D) when user apply for any domain like "conceptandwoling.com".

Now TLD knows that "conceptandwoling.com" belongs to "Goodady" authoritative sorver?

The Poodaddy (Registrar) communicate with

· com Registry (verisign maintain it)

receives the Request + name souvers of the

Oro Daddy which will be used to

resolve the domain request for

concept coding. com

DNS Zone