B) What happens when we type google com & Enter? when we enter a URL sum as "https://www.google,
com' Anto our web browser & wit enter, many outs.

onto own before any output is desployed on our browses.

1) Application Layer Appringtion riger

Appringtion riger

Areally with user applications

A provider such as email, file transfer & web

* WMS Request

> our computer fends à request to DNS server, whi-Ch functions as an address book for all demain names. The DNs Server then Lehrus the breise Ip address of the server that google, compoints to.

Profocol suita: PCP(IP our

- with this Ip address the computer then creates a Connection with the server via the Ip addresses. This Connection type is called Top our computer Can establish this connection through Ip. This

entire process is known as I handshake!

* The Cruard: Firewall If our computer es situated he hand a fremall, the frewall versifies that the specific nequest we are making le authorized before granting it Additionally, If the server we are attempting to access is also Levend a firewall, a semular cheek will be londucted before we can ultiwately Connect to the serves. 2.2 * The Secure Passage: HTTPS (SSL -> once the connection is established, dur browser Sends as request for the webpage using a security brotocol like sselfransfort player fecurity or The (Transport Layer security) to energet the data that will be exchanged between our computer of purser. This energyption of responsible for the "s" In https: , Indicating a leute connection The Allstributor: Load Balances > To handle high traffée, crosse maintain multiple betress of use a load balanear to dinnibute requents among them. The load balancer receives the request from our browses & sends let to a specific server Lased on 14 migosethm. all estimates and is marely the and appropriate

This means that google server will obtain a request from loss before when attempting to access google um. The web server would handle the nequest 4 produce a response which would usually consist of HTML, as a st often to make up the noblege * The Frontman! Web Jerres Post load balancing, the web somer takes the stage handling the HTPP request. It decides what action is needed often communicating with an application some to process the request further, * The processor: Application server the necessary burners logic, Interacting with the detasable, & preparing the HTTP response to be sent back to your brandes. * The storer; adalasa To fulfill our request, the application server night need to fetch or store data, It Interacts with the Intribuse, where data is stored, retrieved & managed ensuing that our bearch query is successfully encuted. * The Grand pinale: Rendesing > The HTTP response makes it's way back through the Channels, reaching our browser which then renders HTML, CSS, & Javascript to display the weldpage we all know & love as crogle