CN 1 - Intro to N/w Topologies

Monday, 3 July 2023 11:51 AM

HTTP Request

DNS

Domain Name Server

google.com

returns IP addr. of 184.156. XX.XX

corresponding domain name

in a look up table

MAC Address:

The IP Address depends on the network device and configuration and hence changes if we connect to different routers or modems. So in order to uniquely identify any device connected to the network, **MAC** address is used.

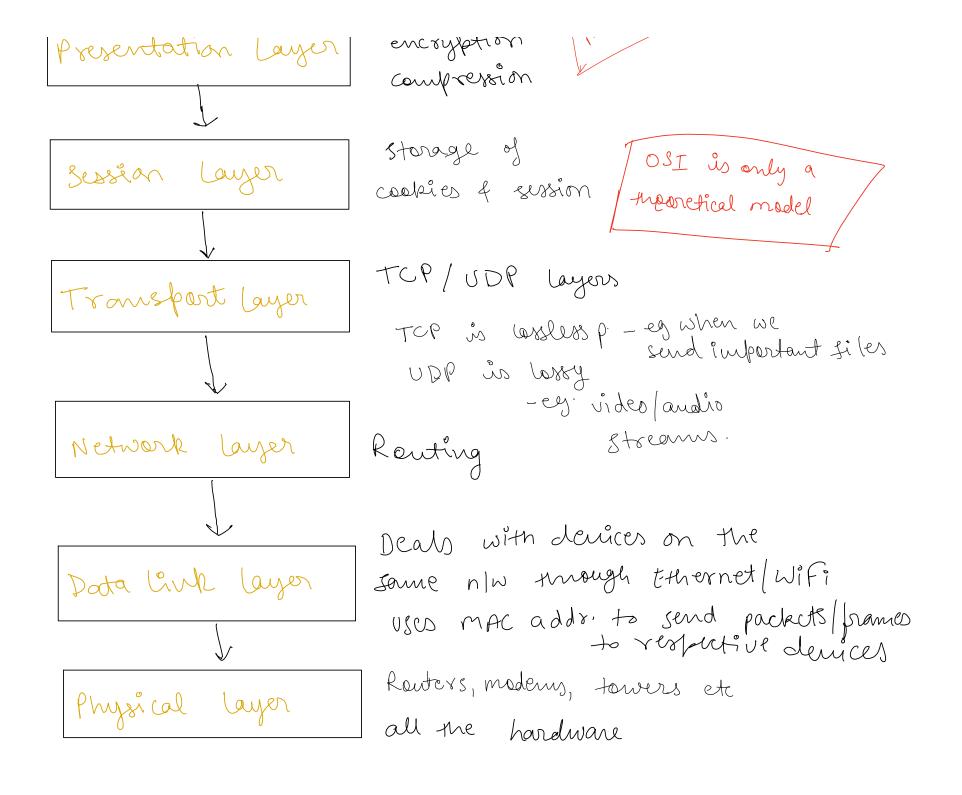
MAC address is usually hard coded into the network device/Network Interface Card/Network Interface Adapter and remains constant throughout it's lifetime.

Application Layer

Application Layer

1085

1085



Port Number

OS runs every application with a port number assigned which specifies the network connection of that application.

Let's say if some data is being received, then port number specifies which application to direct the data to.