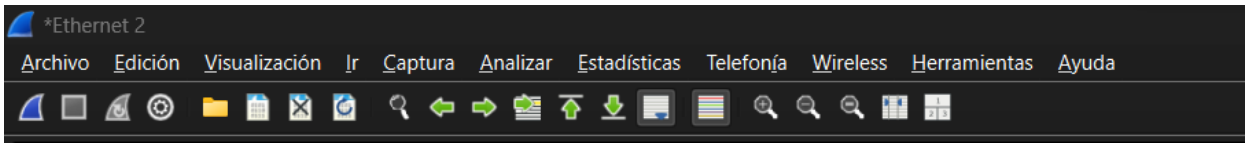
Ejercicio 3.

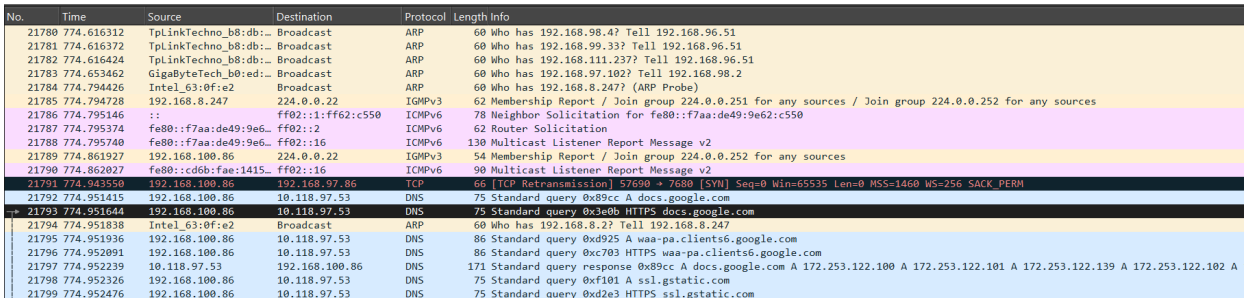
Descarga Wireshark desde la web oficial (www.wireshark.org)
Instalarla en Windows y monitorizar la red. Haz capturas de pantalla y explica lo que haces
1.ejecutamos la aplicación
lo primero que debemos hacer es seleccionar la interfaz que deseamos hacer la captura de paquetes en mi caso he elegido la ethernet 2

2.iniciamos la captura



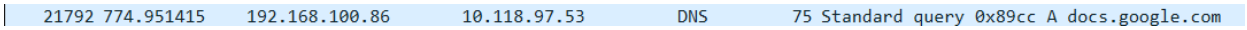
al clicar en la imagen azul de la aleta de tiburón empezará la captura

3.visualizador de paquetes

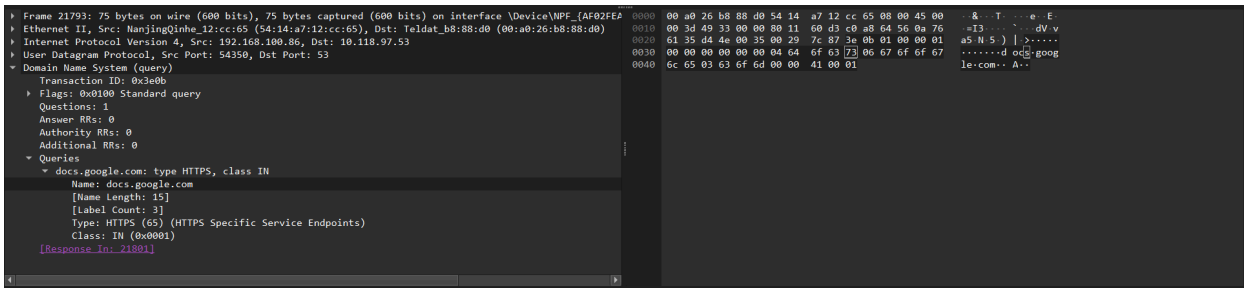


No.	Time	Source	Destination	Protocol	Length	Info
21780	774.616312	TpLinkTechno_b8:db:…	Broadcast	ARP	60	Who has 192.168.98.4? Tell 192.168.96.51
21781	774.616372	TpLinkTechno_b8:db:…	Broadcast	ARP	60	Who has 192.168.99.33? Tell 192.168.96.51
21782	774.616424	TpLinkTechno_b8:db:…	Broadcast	ARP	60	Who has 192.168.111.237? Tell 192.168.96.51
21783	774.653462	GigaByteTech_b0:ed:…	Broadcast	ARP	60	Who has 192.168.97.102? Tell 192.168.98.2
21784	774.794426	Intel_63:0f:e2	Broadcast	ARP	60	Who has 192.168.8.247? (ARP Probe)
21785	774.794728	192.168.8.247	224.0.0.22	IGMPv3	62	Membership Report / Join group 224.0.0.251 for any sources / Join group 224.0.0.252 for any sources
21786	774.795146	::	ff02::1:ff62:c550	ICMPv6	78	Neighbor Solicitation for fe80::f7aa:de49:9e62:c550
21787	774.795374	fe80::f7aa:de49:9e6…	ff02::2	ICMPv6	62	Router Solicitation
21788	774.795740	fe80::f7aa:de49:9e6…	ff02::16	ICMPv6	130	Multicast Listener Report Message v2
21789	774.861927	192.168.100.86	224.0.0.22	IGMPv3	54	Membership Report / Join group 224.0.0.252 for any sources
21790	774.862027	fe80::cd6b:fae:1415…	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
21791	774.943550	192.168.100.86	192.168.97.86	TCP	66	[TCP Retransmission] 57690 → 7680 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
21792	774.951415	192.168.100.86	10.118.97.53	DNS	75	Standard query 0x89cc A docs.google.com
21793	774.951644	192.168.100.86	10.118.97.53	DNS	75	Standard query 0x3e0b HTTPS docs.google.com
21794	774.951838	Intel_63:0f:e2	Broadcast	ARP	60	Who has 192.168.8.2? Tell 192.168.8.247
21795	774.951936	192.168.100.86	10.118.97.53	DNS	86	Standard query 0xd925 A waa-pa.clients6.google.com
21796	774.952091	192.168.100.86	10.118.97.53	DNS	86	Standard query 0xc703 HTTPS waa-pa.clients6.google.com
21797	774.952239	10.118.97.53	192.168.100.86	DNS	171	Standard query response 0x89cc A docs.google.com A 172.253.122.100 A 172.253.122.101 A 172.253.122.139 A 172.253.122.102 A
21798	774.952326	192.168.100.86	10.118.97.53	DNS	75	Standard query 0xf101 A ssl.gstatic.com
21799	774.952476	192.168.100.86	10.118.97.53	DNS	75	Standard query 0xd2e3 HTTPS ssl.gstatic.com

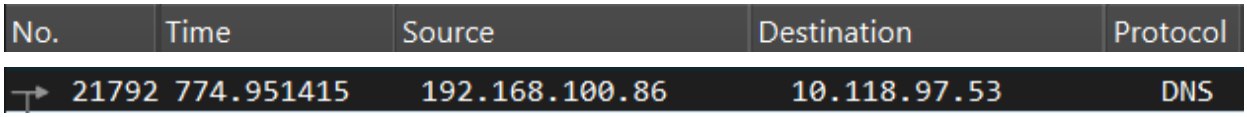
yo he escogido esta petición para explicarla



4.en la otra mitad de la pantalla aparece la información de la petición en cuestión



por lo que podemos ver en la información sabemos que es una petición DNS por el protocolo HTTPS y también sabemos que es de clase IN
investigando un poco podemos saber que la petición DNS está destinada a la IP:10.118.97.53 (un proveedor DNS)



No.	Time	Source	Destination	Protocol
21792	774.951415	192.168.100.86	10.118.97.53	DNS