Register No:	99220040772
Name:	V Vishwaradhya
Class/Section:	9312/S24
Ex.No:	12d
Name of the Experiment	Capture and Analyse ICMP packet
Google Drive link of the packet tracer file	https://drive.google.com/drive/folders/1lv72Mjfts_ZKk5iogDll2eK_td5BdPWW?usp=sharing
(give view permission):	

1. Use command prompt and fill the following details using ipconfig /all command. (highlight and paste screenshot for each of the output).

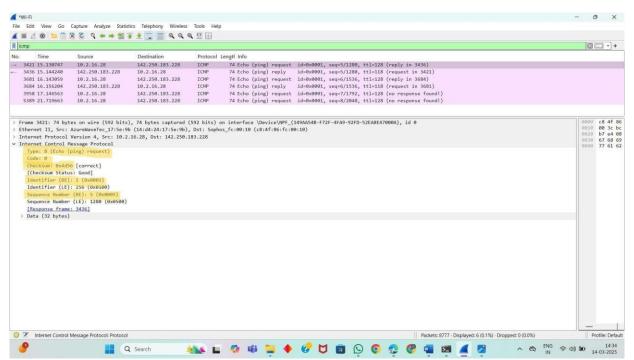
Parameter	Value
Your Machine IP Address.	10.2.16.28
Your Machine MAC Address	14-D4-24-17-5E-9B
Default Gateway address	10.2.0.1
DNS Server IP Address	172.16.103.254

```
Wireless LAN adapter Wi-Fi:
 Connection-specific DNS Suffix . :
Description . . . . . . . . . . . MediaTek MT7921 Wi-Fi 6 802.11ax PCIe Adapter
 DHCP Enabled. . . .
                                   : Yes
 Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . .
                                  : fe80::81c6:cfc8:e5c5:292e%5(Preferred)
                                          16.28(Preferred)
                                   : 255.255.224.0
 Subnet Mask . .
                                    14 March 2025 13:40:12
 Lease Obtained. . .
                                     15 March 2025 01:40:12
Lease Expires . .
 DHCP Server .
                                    10.2.0.2
 DHCPv6 IAID . . . .
                                    68473892
 DHCPv6 Client DUID. . . . . . . : 00-01-00-01-2B-F6-99-AF-E0-73-E7-CE-7D-F6
                                    4.2.2.2
                                    8.8.8.8
NetBIOS over Tcpip. . . . . . : Enabled
```

2. Ping any website through command prompt and Fill the following details by applying the filter as **ICMP**: (highlight and paste screenshot for each of the output).

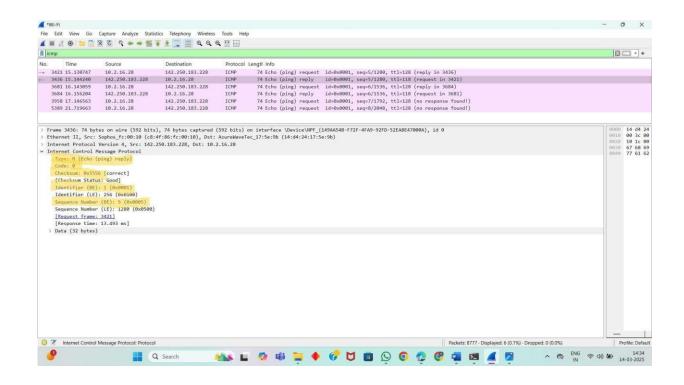
ICMP Request message:

Field Name	Field Length (no of bits)	Field value
Туре	8 bits	0 (Echo Request)
Code	8 bits	0 (No further details needed for Echo Reply)
Checksum	16 bits	0x4d56
Identifier	16 bits	1 (0x0001)
Sequence Number	16 bits	5 (0x0005)



ICMP Reply message: (highlight and paste screenshot for each of the output).

Field Name	Field Length (no of bits)	Field value
Туре	8 bits	0 (Echo Reply)
Code	8 bits	0 (No further details needed for Echo Reply)
Checksum	16 bits	0x5556
Identifier	16 bits	1 (0x0001)
Sequence Number	16 bits	5 (0x0005)



Rubrics for Wireshark labs: (To be Filled by the Class Teacher)

Rubrics	Excellent	Fair	Poor	Marks
Understanding (2)	Understand the Concept very well. (2)	Understand the Concept (1)	Poor Understand the Concept (0)	
Usage of filters (3)	Identified and applied the filter correctly (3)	Identified the filter, but not applied correctly (2-1)	Couldn't identify and apply the filter. Just captured the packets (1)	
Attach relevant Screenshots (3)	clearly Highlighted the answers and attached the screenshots (3)	attached the screenshots, but not highlighted. (2-1)	Did not attach the screenshots (0)	
On time Submission (2)	Early or on time submission (2)	Submitted after deadline (1)	Did not Submit (0)	
Total				