

Prodigy Infotech Internship

Task NO_5

Network Packet Analyzer

Develop a packet sniffer tool that captures and analyzes network packets. Display relevant information such as source and destination IP addresses, protocols, and payload data.

Ensure the ethical use of the tool for educational purposes.

Prodigy Infotech Ltd

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Submission date: October 05,2025

Network Packet Analyzer

- Code

```
def analyze_packet(packet):  
    """  
    Analyze a single packet and print relevant details.  
    """  
    if IP not in packet:  
        return # Skip non-IP packets (e.g., ARP)  
  
    ip_layer = packet[IP]  
    src_ip = ip_layer.src  
    dst_ip = ip_layer.dst  
    protocol = ip_layer.proto # Protocol number (e.g., 6 for  
                               TCP)  
  
    # Map common protocols  
    if protocol == 6:  
        proto_name = "TCP"  
    elif protocol == 17:  
        proto_name = "UDP"  
    elif protocol == 1:
```

```
        elif protocol == 1:  
            proto_name = "ICMP"  
        else:  
            proto_name = f"Unknown ({protocol})"  
  
    print(f"\n[+] Packet Captured:")  
    print(f"    Source IP: {src_ip}")  
    print(f"    Destination IP: {dst_ip}")  
    print(f"    Protocol: {proto_name}")  
  
    # Show ports for TCP/UDP or type for ICMP  
    if TCP in packet:  
        print(f"    Source Port: {packet[TCP].sport}")  
        print(f"    Destination Port: {packet[TCP].dport}")  
    elif UDP in packet:  
        print(f"    Source Port: {packet[UDP].sport}")  
        print(f"    Destination Port: {packet[UDP].dport}")  
    elif ICMP in packet:  
        print(f"    ICMP Type: {packet[ICMP].type}")
```

Task 5

```
if Raw in packet:
    payload = bytes(packet[Raw])
    if payload:
        print(f"    Payload (first 50 bytes, hex): {payload[:50].hex()}")
        if len(payload) > 50:
            print(f"    (Truncated; full payload length: {len(payload)} bytes)")
        else:
            print("    No payload.")
    else:
        print("    No payload.")

def main(interface=None, count=20):
    """
    Start sniffing on the specified interface.
    """
    print(f"[*] Starting packet sniffer on {interface or
```

```
def main(interface=None, count=20):
    """
    Start sniffing on the specified interface.
    """
    print(f"[*] Starting packet sniffer on {interface or
          'default interface'} (capturing {count} packets)...")
    print("[*] Press Ctrl+C to stop early.\n")

    sniff(iface=interface, prn=analyze_packet, count=count,
          filter="ip")

if __name__ == "__main__":
    interface = sys.argv[1] if len(sys.argv) > 1 else None
    main(interface=interface)
```

Task 5

- **Install Scapy**

```

ahmed-ali@kali-linux: ~
Session Actions Edit View Help

If you wish to install a non-kali-packaged Python application,
it may be easiest to use pipx install xyz, which will manage a
virtual environment for you. Make sure you have pipx installed.

For more information, refer to the following:
  * https://www.kali.org/docs/general-use/python3-external-packages/
  * /usr/share/doc/python3.11/README.venv

note: If you believe this is a mistake, please contact your Python installation or OS distribution provider. You can override this, at the risk of breaking your Python installation or OS, by passing --break-system-packages.
hint: See PEP 668 for the detailed specification.

ahmed-ali@kali-linux:~$ sudo apt update
Hit:1 http://http.kali.org/kali kali-rolling InRelease
532 packages can be upgraded. Run 'apt list --upgradable' to see them.

ahmed-ali@kali-linux:~$ sudo apt install python3-scapy
python3-scapy is already the newest version (2.6.1+dfsg-1).
python3-scapy set to manually installed.
The following packages were automatically installed and are no longer required:
  libburay2 libdata-common libgeoip3.13.1 libjs-underscore libplacebo349 libq5ct-common1.0 libsigsegv2 libsoup2.4-common libtheoradec1 libudfread0 python3-packaging-whl
  libdata16 libdata22 libnd4-v-olt libogdi4.1 libportmidi libsfame1 libsoup2.4-1 libtheora libtheoraenc1 libvpx9 python3-wheel-whl
Use 'sudo apt autoremove' to remove them.

Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 532

ahmed-ali@kali-linux:~$ python3 -c "import scapy.all as scapy; print('Scapy OK!', scapy.__version__)"
Traceback (most recent call last):
  File "<string>", line 1, in <module>
    import scapy.all as scapy; print('Scapy OK!', scapy.__version__)
AttributeError: module 'scapy.all' has no attribute '__version__'

ahmed-ali@kali-linux:~$ python3 -c "import scapy; print('Scapy OK, version is', getattr(scapy, '__version__', 'unknown'))"
Scapy OK, version is 2.6.1

ahmed-ali@kali-linux:~$

```

```

ahmed-ali@kali-linux: ~
Session Actions Edit View Help

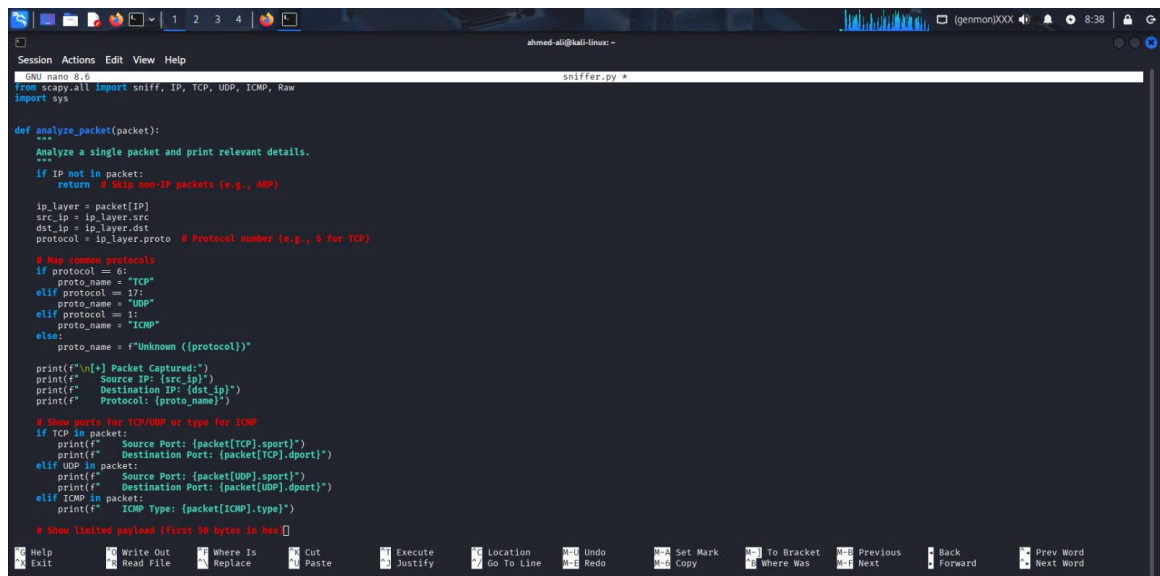
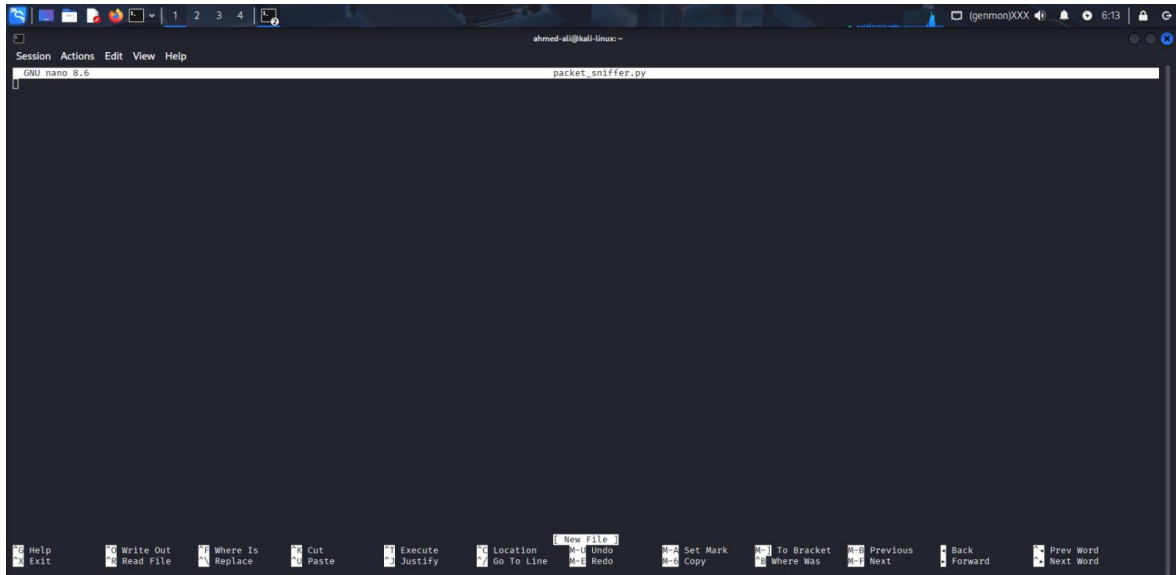
ahmed-ali@kali-linux:~$ python3
Python 3.13.7 (main, Aug 20 2025, 22:17:40) [GCC 14.3.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> import scapy.all as scapy
... scapy.ls()

AD_AND_OR : None
AD_KDCIssued : None
AH : AH
AKMSuite : AKM suite
ARP : ARP
ASMP_INTEGER : None
ASMP_OID : None
ASMP_PRIVSEQ : None
ASMP_Packet : None
ATT_Error_Response : Error Response
ATT_Exchange_MTU_Request : Exchange MTU Request
ATT_Exchange_MTU_Response : Exchange MTU Response
ATT_Execute_Write_Request : Execute Write Request
ATT_Execute_Write_Response : Execute Write Response
ATT_Find_By_Type_Value_Request : Find By Type Value Request
ATT_Find_By_Type_Value_Response : Find By Type Value Response
ATT_Find_Information_Request : Find Information Request
ATT_Find_Information_Response : Find Information Response
ATT_Handle : ATT Short Handle
ATT_Handle_UUID128 : ATT Handle (UUID 128)
ATT_Handle_Value_Indication : Handle Value Indication
ATT_Handle_Value_Notification : Handle Value Notification
ATT_Handle_Variable : None
ATT_Hdr : ATT header
ATT_Prepere_Write_Request : Prepare Write Request
ATT_Prepere_Write_Response : Prepare Write Response
ATT_Read_Blob_Request : Read Blob Request
ATT_Read_Blob_Response : Read Blob Response
ATT_Read_By_Group_Type_Request : Read By Group Type Request
ATT_Read_By_Group_Type_Response : Read By Group Type Response
ATT_Read_By_Type_Request : Read By Type Request
ATT_Read_By_Type_Request_128bit : Read By Type Request
ATT_Read_By_Type_Response : Read By Type Response
ATT_Read_Multiple_Request : Read Multiple Request
ATT_Read_Multiple_Response : Read Multiple Response
ATT_Read_Request : Read Request
ATT_Read_Response : Read Response

```

Task 5

- Upload code & Analyze



Task 5

```
ahmed-ali@kali-linux -
Session Actions Edit View Help
ZigbeeNWCommandPayload : Zigbee Network Layer Command Payload
ZigbeeNWKStub : Zigbee Network Layer for Inter-PAN Transmission
ZigbeeSecurityHeader : Zigbee Security Header
ept_entry_t : None
ept_lookup_Request : None
ept_lookup_Response : None
ept_map_Request : None
ept_map_Response : None
ifaddrmsg : None
ifaddrmsg_rttattr : None
ifinfomsg : None
ifinfomsg_rttattr : None
ifla_af_spec_inet6_rttattr : None
ifla_af_spec_inet_rttattr : None
ifla_af_spec_rttattr : None
nlmsgerr : None
nlmsgerr_rttattr : None
octet_string_t : None
prot_and_addr_t : None
protocol_lower_t : None
rtmsg : None
rtmsg_rttattr : None
rtmsghdr : None
rtmsghdrs : None
twr_p_t : None
...
exit()
...
exit()
...
File "python-input-1", line 2
    exit()
IndentationError: unexpected indent
...
exit
...
exit

ahmed-ali@kali-linux:~$
4 link show
1: loopback,UP,LOWER_UP> mtu 65536 qdisc mq state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 88:00:00:00:00:00 vnd 88:00:00:00:00:00
2: eth0,BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:0c:29:11:71:f8 brd ff:ff:ff:ff:ff:ff

ahmed-ali@kali-linux:~$
```

- Packet Capturing

```
ahmed-ali@kali-linux -
Session Actions Edit View Help
ahmed-ali@kali-linux:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
64 bytes from 8.8.8.8: icmp_seq=1 ttl=128 time=32.0 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=128 time=27.9 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=128 time=32.3 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=128 time=33.0 ms

--- 8.8.8.8 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/ndev = 27.855/31.275/32.956/2.086 ms

ahmed-ali@kali-linux:~$
```

Task 5

```

ahmed-ali@kali-linux: ~
Session Actions Edit View Help
... exit()
... exit()
...
File ~/python-input-15, line 2
    exit()
IndentationError: unexpected indent
999
999 exit
ahmed-ali@kali-linux)-[~]
$ ip link show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
   link/ether 00:0c:29:11:71:f8 brd ff:ff:ff:ff:ff:ff
ahmed-ali@kali-linux)-[~]
$ sudo python3
Python 3.13.7 (main, Aug 20 2025, 22:17:40) [GCC 14.3.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
999 from scapy.all import sniff
999
999 pkts = sniff(count=5, iface='eth0')
999 pkts.summary()
999
Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
999
999
999
999

```

```

ahmed-ali@kali-linux: ~
Session Actions Edit View Help

[ahmed-ali@kali-linux]-[-]
$ ip link show

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 00:0c:29:11:71:f8 brd ff:ff:ff:ff:ff:ff

[ahmed-ali@kali-linux]-[-]
$ sudo python3

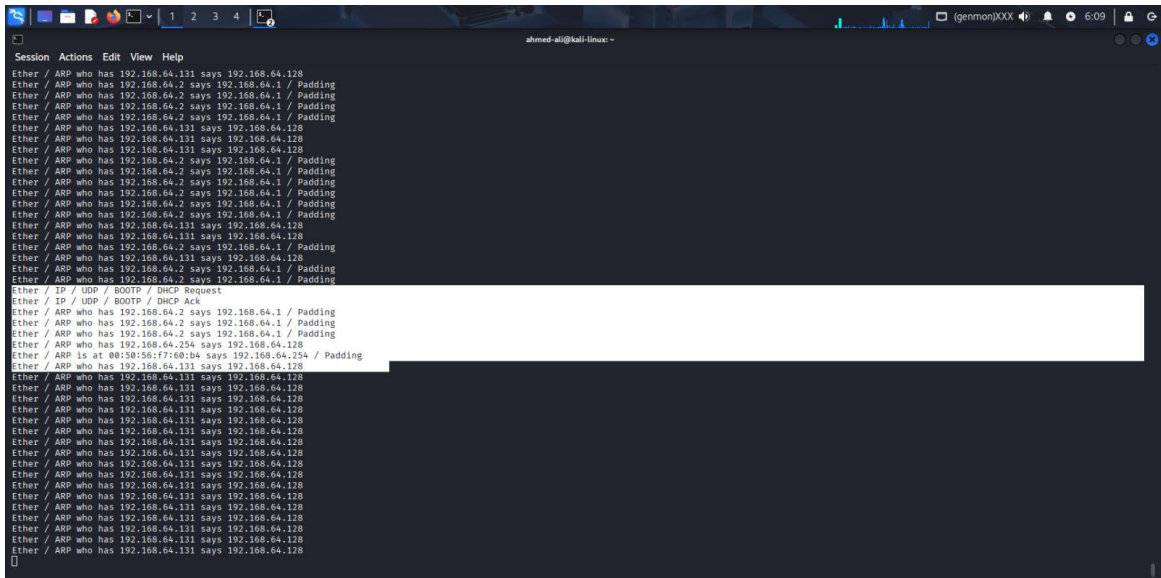
Python 3.13.7 (main, Aug 20 2025, 22:17:40) [GCC 14.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> from scapy.all import sniff
>>>
>>> pkts = sniff(count=5, iface="eth0")
>>> pkts.summary()
>>>

Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding
>>>
>>>
>>>
>>>
>>> from scapy.all import sniff
>>> pkts = sniff(count=5, iface="eth0")
>>> pkts.summary()
>>>

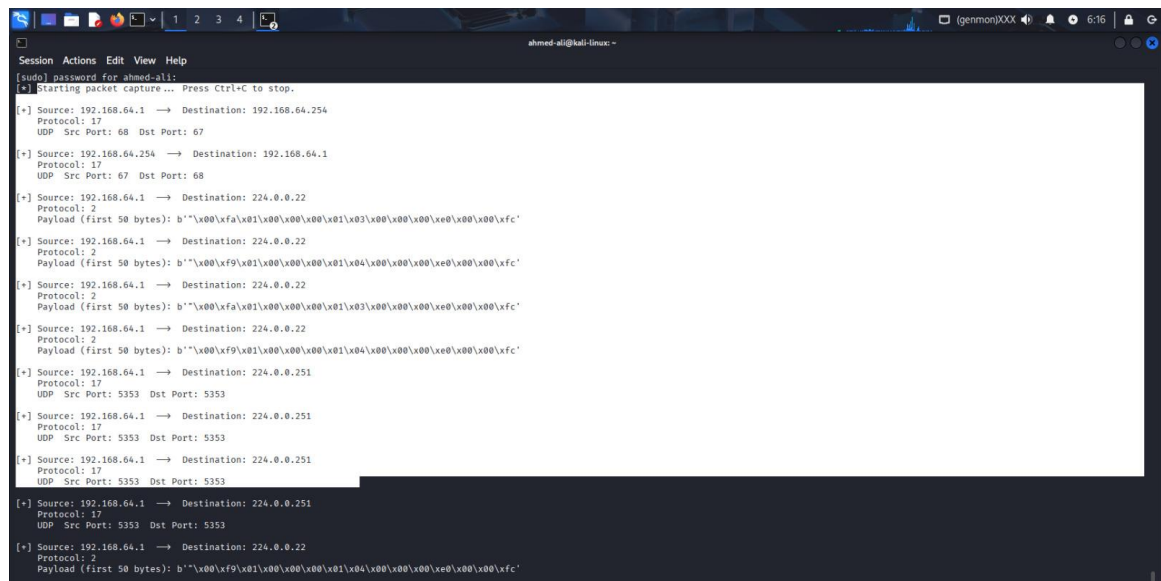
Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.131 says 192.168.64.128
Ether / ARP who has 192.168.64.131 says 192.168.64.128
>>>

```

Task 5



- **Simulate live Capture**



Task 5

```

Session Actions Edit View Help
Payload (first 50 bytes): b'"\x00\xf9\x01\x00\x00\x00\x01\x04\x00\x00\x00\x00\x00\xfc'

[*] Source: 192.168.64.1 → Destination: 192.168.64.255
Protocol: 17
UDP Src Port: 138 Dst Port: 138

[*] Source: 192.168.64.128 → Destination: 8.8.8.8
Protocol: 1
Payload (first 50 bytes): b'\xd5E\xe2h\x00\x00\x00,2\x0e\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 8.8.8.8 → Destination: 192.168.64.128
Protocol: 1
Payload (first 50 bytes): b'\xd5E\xe2h\x00\x00\x00,2\x0e\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 192.168.64.128 → Destination: 8.8.8.8
Protocol: 1
Payload (first 50 bytes): b'\xd6E\xe2h\x00\x00\x00\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 8.8.8.8 → Destination: 192.168.64.128
Protocol: 1
Payload (first 50 bytes): b'\xd6E\xe2h\x00\x00\x00\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 192.168.64.128 → Destination: 8.8.8.8
Protocol: 1
Payload (first 50 bytes): b'\xd7E\xe2h\x00\x00\x00\x00'\x87\x0e\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 8.8.8.8 → Destination: 192.168.64.128
Protocol: 1
Payload (first 50 bytes): b'\xd7E\xe2h\x00\x00\x00\x00'\x87\x0e\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 192.168.64.128 → Destination: 8.8.8.8
Protocol: 1
Payload (first 50 bytes): b'\xd8E\xe2h\x00\x00\x00\x00,\x8e\x0e\x00\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 8.8.8.8 → Destination: 192.168.64.128
Protocol: 1
Payload (first 50 bytes): b'\xd8E\xe2h\x00\x00\x00\x00,\x8e\x0e\x00\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&'()*+,-./01'

[*] Source: 192.168.64.128 → Destination: 192.168.64.2
Protocol: 17
UDP Src Port: 38709 Dst Port: 53

[*] Source: 192.168.64.2 → Destination: 192.168.64.128
Protocol: 17
UDP Src Port: 53 Dst Port: 38709

```

```
ahmed-ali@kali-linux: ~  
Session Actions Edit View Help  
... pkts.summary()  
...  
  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding  
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding  
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding  
Ether / ARP who has 192.168.64.2 says 192.168.64.1 / Padding  
...  
...  
...  
...  
...  
...  
...  
From scapy.all import sniff  
pkts = sniff(count=5, iface='eth0')  
pkts.summary()  
...  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
Ether / ARP who has 192.168.64.131 says 192.168.64.128  
pkts[0].show()  
...  
### Ethernet ###  
dst      = ff:ff:ff:ff:ff:ff  
src      = 00:0c:29:11:71:f8  
type     = ARP  
### ARP ###  
hwtype   = Ethernet (10Mb)  
ptype    = IPv4  
hlen     = 6  
plen     = 4  
op       = who-has  
hwsrc    = 00:0c:29:11:71:f8  
psrc     = 192.168.64.128  
hwdst    = 00:08:00:00:00:00  
pdst     = 192.168.64.131
```

Task 5

Save Analysis Results

```
Session Actions Edit View Help
Protocol: 17
UDP Src Port: 38709 Dst Port: 53

[+] Source: 192.168.64.2 → Destination: 192.168.64.128
Protocol: 17
UDP Src Port: 53 Dst Port: 38709

~C

ahmed-ali@kali-linux:~$
ahmed-ali@kali-linux:~$ # from scapy.all import wrpcap
wrpcap("lab_capture.pcap", pkts)

Command 'from' not found, did you mean:
  command 'frog' from deb frog
  command 'form' from deb form
Try: sudo apt install <deb name>
zsh: number expected

ahmed-ali@kali-linux:~$
ahmed-ali@kali-linux:~$ # from scapy.all import sniff, wrpcap
pkts = sniff(iface="eth0", count=50) # capture 50 packets
wrpcap("lab_capture.pcap", pkts) # save them to a file
print("Packets saved to lab_capture.pcap")

Command 'from' not found, did you mean:
  command 'frog' from deb frog
  command 'form' from deb form
Try: sudo apt install <deb name>
zsh: unknown file attribute: i
zsh: number expected

ahmed-ali@kali-linux:~$
ahmed-ali@kali-linux:~$ python3

Python 3.13.7 (main, Aug 20 2025, 22:17:48) [GCC 14.3.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> from scapy.all import sniff, wrpcap
...
... pkts = sniff(iface="eth0", count=50) # capture 50 packets
... wrpcap("lab_capture.pcap", pkts) # save them to a file
... print("Packets saved to lab_capture.pcap")
...
>>>
```

```
Session Actions Edit View Help
...
... from scapy.all import sniff, wrpcap
...
... pkts = sniff(iface="eth0", count=50) # capture 50 packets
... wrpcap("lab_capture.pcap", pkts) # save them to a file
... print("Packets saved to lab_capture.pcap")
...

Packets saved to lab_capture.pcap
...
... exit()
...

ahmed-ali@kali-linux:~$
ahmed-ali@kali-linux:~$ ls -lh lab_capture.pcap
-rw-r--r-- 1 root root 3.3K Oct 5 06:27 lab_capture.pcap

ahmed-ali@kali-linux:~$
ahmed-ali@kali-linux:~$ wireshark lab_capture.pcap

** (Wireshark-4348) 06:31:20.205245 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.206598 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::ToolBarPalette
** (Wireshark-4348) 06:31:20.206784 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::ButtonPalette
** (Wireshark-4348) 06:31:20.206768 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::CheckBoxPalette
** (Wireshark-4348) 06:31:20.206813 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::RadioButtonPalette
** (Wireshark-4348) 06:31:20.206866 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::HeaderPalette
** (Wireshark-4348) 06:31:20.206921 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::ItemViewPalette
** (Wireshark-4348) 06:31:20.206975 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::MessageDialogLabelPalette
** (Wireshark-4348) 06:31:20.207028 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::TabBarPalette
** (Wireshark-4348) 06:31:20.207132 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::LabelPalette
** (Wireshark-4348) 06:31:20.207186 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::GroupBoxPalette
** (Wireshark-4348) 06:31:20.207238 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::MenuPalette
** (Wireshark-4348) 06:31:20.207291 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::MenuBarPalette
** (Wireshark-4348) 06:31:20.207342 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::TextEditPalette
** (Wireshark-4348) 06:31:20.207394 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::TextLineEditPalette
** (Wireshark-4348) 06:31:20.207447 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.207500 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::ToolBarPalette
** (Wireshark-4348) 06:31:20.207600 [GUI ECHO] -- virtual QVariant Qt6CTPlatformTheme::themeHint(QPlatformTheme::ThemeHint) const
** (Wireshark-4348) 06:31:20.208254 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.208670 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.411591 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.535679 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::SystemPalette
** (Wireshark-4348) 06:31:20.536140 [GUI ECHO] -- virtual const QPalette Qt6CTPlatformTheme::palette(QPlatformTheme::Palette) const QPlatformTheme::ToolBarPalette
```