**Code for Basic Network Sniffer**

from scapy.all import sniff

# This function will be called for each packet

def packet\_callback(packet):

    print(packet.summary())

# Start sniffing packets (captures all packets)

def start\_sniffing(interface=None, count=10):

    # Sniff 10 packets on the given interface (or default interface)

    sniff(iface=interface, count=count, prn=packet\_callback, store=0)

if \_\_name\_\_ == "\_\_main\_\_":

    # Optionally, specify an interface (e.g., 'eth0' or 'wlan0')

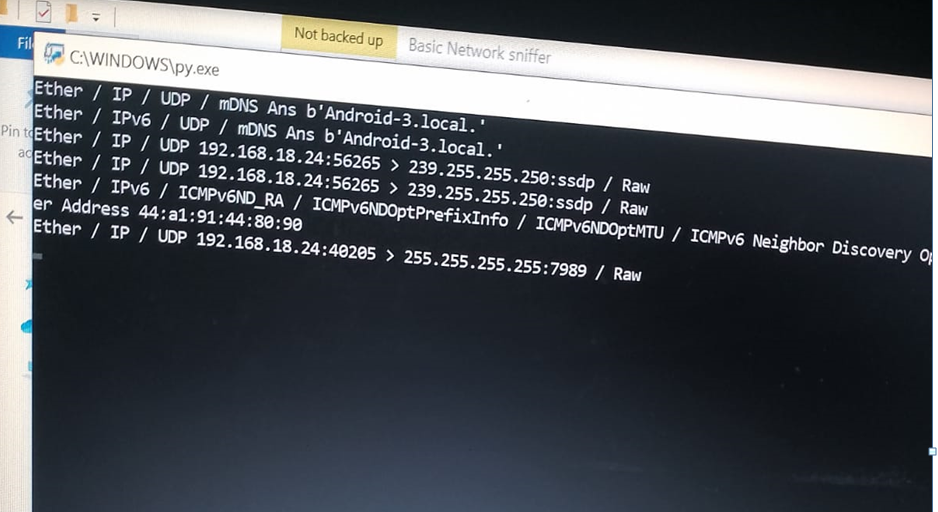
    # For Windows, use 'Ethernet' or 'Wi-Fi' or leave as None for default interface

    interface = None  # Example: "eth0" or "Wi-Fi"

    # Start sniffing 10 packets (you can increase the count as needed)

    start\_sniffing(interface=interface, count=10)

**OUTPUT**



**Process**

