import pyshark

# Function to analyze TLS traffic and search for the flag

def analyze\_tls\_traffic(pcap\_file):

# Load the network capture file

capture = pyshark.FileCapture(pcap\_file)

# Iterate through each packet in the capture

for packet in capture:

# Check if the packet is a TLS handshake packet

if 'TLS' in packet and 'handshake' in packet['TLS'].lower():

# Check if the packet contains the flag

if "HQ8{EnterHQ8KeyHere}" in str(packet):

print("Flag found in TLS traffic:")

print(packet)

break

capture.close()

# Main function

def main():

# Provide the path to the network capture file (pcap)

pcap\_file = "path/to/network\_capture.pcap"

# Analyze TLS traffic and search for the flag

analyze\_tls\_traffic(pcap\_file)

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

main()