import pyshark

import os

# Function to analyze TLS traffic and search for the flag

def analyze\_tls\_traffic(pcap\_file, ssl\_key):

# Load the network capture file

capture = pyshark.FileCapture(pcap\_file, decryption\_key=ssl\_key)

# 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():

# Get the current directory

current\_dir = os.path.dirname(os.path.abspath(\_\_file\_\_))

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

pcap\_file = os.path.join(current\_dir, "Baby\_SharkDoDoDoDo.pcapng")

# Provide the relative path to the SSL key file

ssl\_key = os.path.join(current\_dir, "sslkey")

# Analyze TLS traffic and search for the flag

analyze\_tls\_traffic(pcap\_file, ssl\_key)

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

main()