# Cybersecurity Incident Report:
# Network Traffic Analysis

### Part 1: Provide a summary of the problem found in the DNS and ICMP traffic log.

The UDP protocol reveals that port 53 is unreachable when attempting to access yummyrecipesforme website.

This is based on the results of the network analysis, which show that the ICMP echo reply returned the error message “UDP port 53 unreachable”.

The port noted in the error message is used for DNS protocol to translate domain names into IP addresses.

The most likely issue is that the DNS server is not responding indicating a possible denial of service attack on the server.

### Part 2: Explain your analysis of the data and provide at least one cause of the incident.

Customer reports triggered awareness at 1:24 p.m.

The IT team became aware of the incident after customers reported that when they tried to access the website and saw the error “destination port unreachable” after waiting for the page to load.

The IT department first investigated the incident by verifying it through attempting to visit the website and once it was confirmed a packet sniffing test was conducted using tcpdumb.

After analyzing the tcpdump log it was found that the port 53 was unreachable.

The ICMP response length anomalies indicate potential packet manipulation or spoofing. This supports a DoS attack hypothesis but requires further analysis of server logs to confirm.