


1. Run nslookup to obtain the IP address of a Web server in Asia. What is the IP address of that server?

A terminal window titled 'tuandat@tuandatHP:~/MMT' with standard macOS window controls. The user has entered the command 'nslookup www.dantri.com.vn'. The output shows the default server 127.0.0.53 and a non-authoritative answer with two IP addresses for www.dantri.com.vn: 183.81.34.136 and 42.113.206.26.

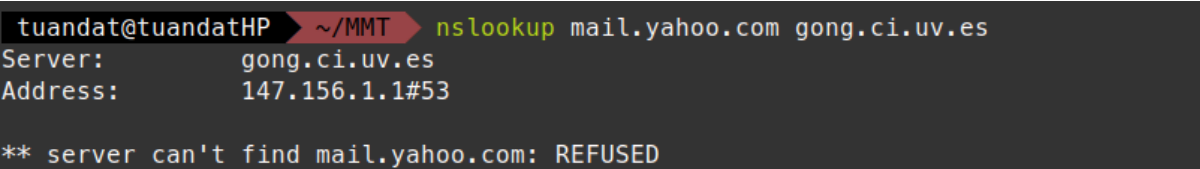
```
tuandat@tuandatHP ~/MMT nslookup www.dantri.com.vn
Server:          127.0.0.53
Address:         127.0.0.53#53

Non-authoritative answer:
Name:   www.dantri.com.vn
Address: 183.81.34.136
Name:   www.dantri.com.vn
Address: 42.113.206.26

tuandat@tuandatHP ~/MMT
```

2. Run nslookup to determine the authoritative DNS servers for a university in Europe.

3. Run nslookup so that one of the DNS servers obtained in Question 2 is queried for the mail servers for Yahoo! mail. What is its IP address?

A terminal window showing the command 'nslookup mail.yahoo.com gong.ci.uv.es'. The output shows the server gong.ci.uv.es with IP 147.156.1.1. A second line indicates that the server cannot find mail.yahoo.com.

```
tuandat@tuandatHP ~/MMT nslookup mail.yahoo.com gong.ci.uv.es
Server:          gong.ci.uv.es
Address:         147.156.1.1#53

** server can't find mail.yahoo.com: REFUSED
```

4. Locate the DNS query and response messages. Are then sent over UDP or TCP? UDP

5. What is the destination port for the DNS query message? What is the source port of DNS response message?



The destination port for the DNS query is 53 and the source port of the DNS response is 53.