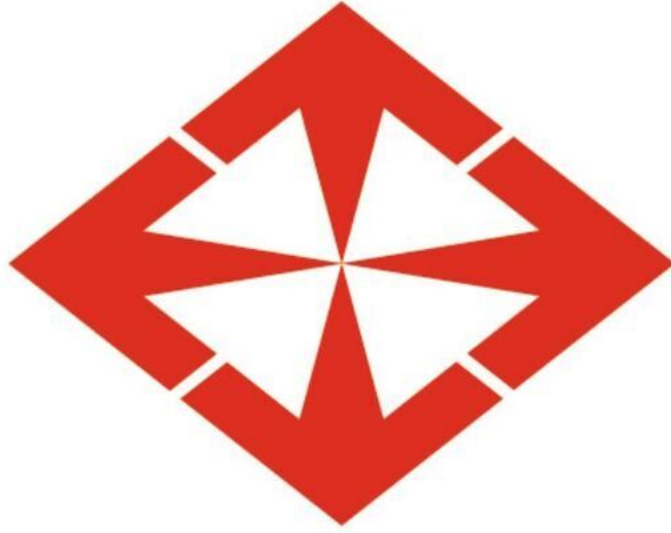
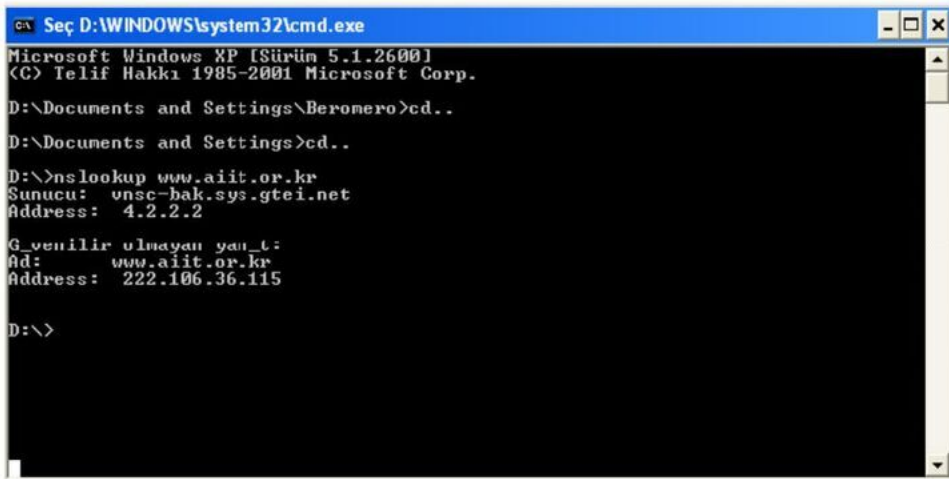




BAŞKENT ÜNİVERSİTESİ

**EEM 413
BİLGİSAYAR AĞLARI
LAB 2 : DNS**

1.) Adres olarak www.aiit.or.kr adresi seçildi.



```
Seç D:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Sürüm 5.1.2600]
(C) Telif Hakkı 1985-2001 Microsoft Corp.

D:\Documents and Settings\Beromero>cd..
D:\Documents and Settings>cd..

D:\>nslookup www.aiit.or.kr
Sunucu: vnsc-bak.sys.gtei.net
Address: 4.2.2.2

G_venilir olmayan yan_t:
Ad: www.aiit.or.kr
Address: 222.106.36.115

D:\>
```

Web server adresi: 222.106.36.115

2.)



```
D:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Sürüm 5.1.2600]
(C) Telif Hakkı 1985-2001 Microsoft Corp.

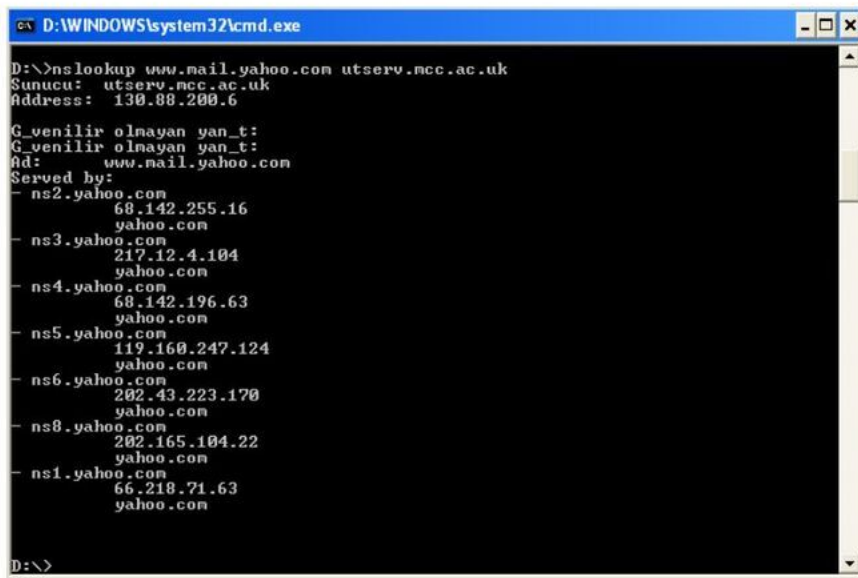
D:\Documents and Settings\Beromero>cd..
D:\Documents and Settings>cd..

D:\>nslookup -type=NS mit.edu
Sunucu: vnsc-bak.sys.gtei.net
Address: 4.2.2.2

G_venilir olmayan yan_t:
mit.edu nameserver = W20NS.mit.edu
mit.edu nameserver = STRAWB.mit.edu
mit.edu nameserver = BITSY.mit.edu

D:\>
```

3.)



```
D:\WINDOWS\system32\cmd.exe
D:\>nslookup www.mail.yahoo.com utserv.mcc.ac.uk
Sunucu: utserv.mcc.ac.uk
Address: 130.88.200.6

G_venilir olmayan yan_t:
G_venilir olmayan yan_t:
Ad: www.mail.yahoo.com
Served by:
- ns2.yahoo.com
  68.142.255.16
  yahoo.com
- ns3.yahoo.com
  217.12.4.104
  yahoo.com
- ns4.yahoo.com
  68.142.196.63
  yahoo.com
- ns5.yahoo.com
  119.160.247.124
  yahoo.com
- ns6.yahoo.com
  202.43.223.170
  yahoo.com
- ns8.yahoo.com
  202.165.104.22
  yahoo.com
- ns1.yahoo.com
  66.218.71.63
  yahoo.com

D:\>
```

4.) DNS query ve response mesajları UDP (User Datagram Protocol) üzerinden gönderilmiştir.

5.) DNS response: Source Port : biolink-auth (3411)

DNS query message: Destination Port : domain (53)

6.) DNS query mesajlarının gönderildiği IP adresi ile local DNS Server'ının IP adresi aynı ve 85.99.166.159'tur.

7.) DNS query tipi PTR (Domain name pointer)'dir. , Answer taşıyan query mesajı yoktur.
Answer RRs: 0

8.) 1 answer bulunmaktadır. Answer RRs: 1

9.) IP address of the SYN packet is 64.170.98.32

IP address of the DNS response message is 85.99.166.159

10.) Host yeni DNS queries bulundurmamaktadır.

11.) Destination port: domain (53)

Source port: domain (53)

12.) DNS query message IP address gönderildiği adres: 85.99.166.159

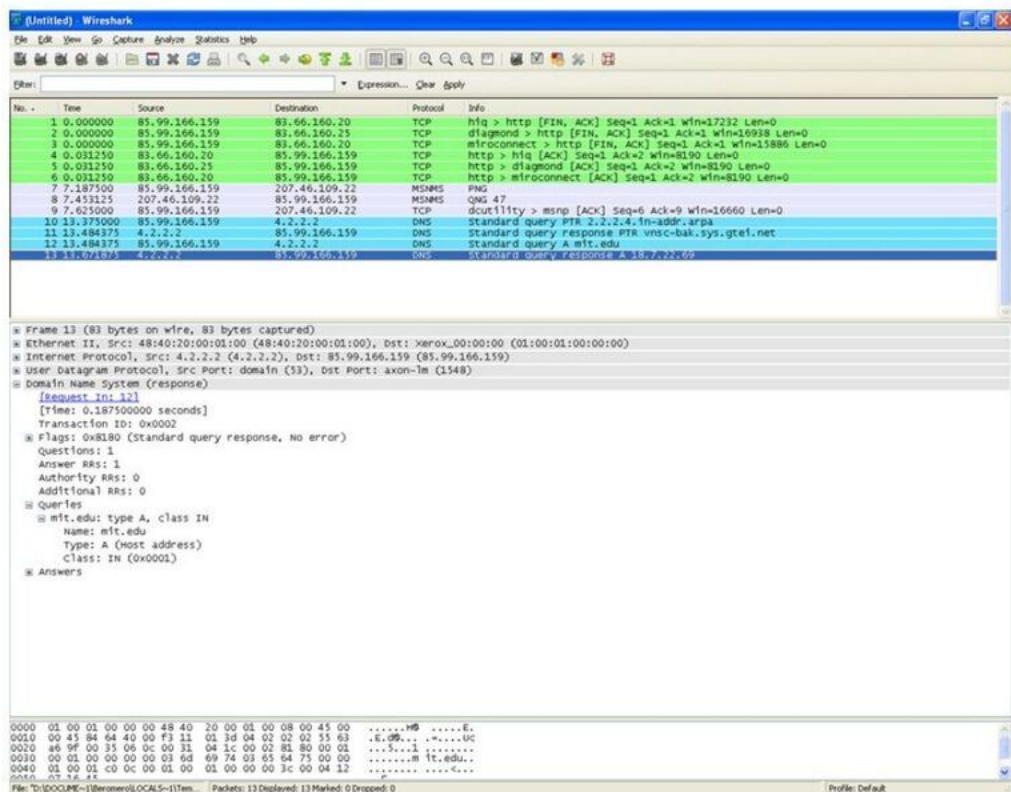
Local DNS Server IP address: 85.99.166.159

13.) DNS query tipi : A

Answer RRS: 0 Answer bulunmamaktadır.

14.) 1 answer bulunmaktadır. , answer içeriği: www.mit.edu: type A, class IN, addr 18.7.22.83

15.) Programdan elde edilen ekran çıktısı:



16.) DNS query mesajının gittiği IP adresi local DNS server IP adresi ile aynı : 85.99.166.159

17.) Type: NS (Authoritative name server)

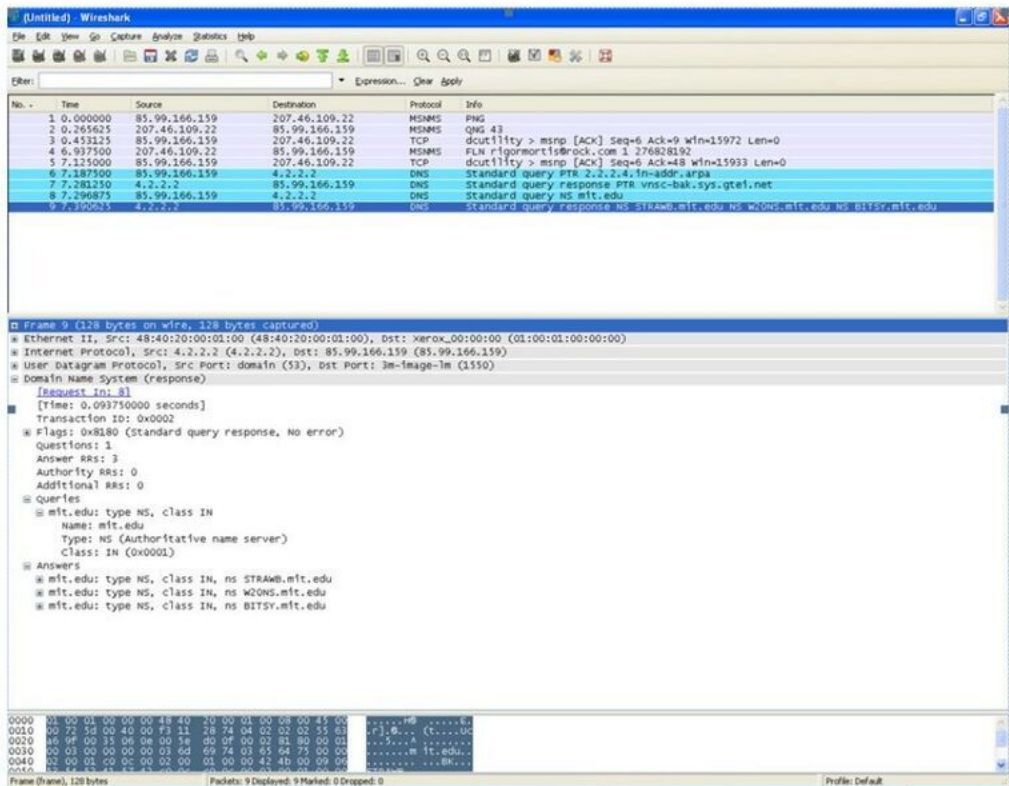
Answer RRs: 0

18.) mit.edu: type NS, class IN, ns bitsy.mit.edu, addr 18.72.0.3

mit.edu: type NS, class IN, ns w20ns.mit.edu, addr 18.70.0.160

mit.edu: type NS, class IN, ns strawb.mit.edu, addr 18.71.0.151

19.) Programdan elde edilen ekran çıktısı:



20.) DNS query message IP address gönderildiği adres: 85.99.166.159

Local DNS Server IP address: 85.99.166.159

21.) Type: PTR (Domain name pointer)

Answer RRs: 0

22.) Answer RRs: 1

3.0.72.18.in-addr.arpa: type PTR, class IN, BITSY.MIT.EDU

www.aiit.or.kr: type A, class IN, addr 222.106.36.115

23.) Programdan elde edilen ekran çıktısı:

