A:

```
cristian@Batman:~$ dig A multi-v4.protocoale.xyz +short
127.4.4.4
127.2.2.2
127.1.1.1
127.3.3.3

cristian@Batman:~$ dig A pc.protocoale.xyz +short
pcom.protocoale.xyz.
protocoale.protocoale.xyz.
127.42.42.42
```

B:

```
cristian@Batman:~$ dig AAAA multi-v6.protocoale.xyz +short
::4
::1
::2
::3
```

C:

```
cristian@Batman:~$ dig MX protocoale.xyz +short
30 alt3.gmail-smtp-in.l.google.com.
20 alt2.gmail-smtp-in.l.google.com.
10 alt1.gmail-smtp-in.l.google.com.
```

D:

```
cristian@Batman:~$ dig @l.gtld-servers.net google.com +noall +authority

; <<>> DiG 9.11.3-1ubuntu1.11-Ubuntu <<>> @l.gtld-servers.net google.com +noall +authority
; (2 servers found)
;; global options: +cmd
google.com.            172800  IN      NS      ns2.google.com.
google.com.            172800  IN      NS      ns1.google.com.
google.com.            172800  IN      NS      ns3.google.com.
google.com.            172800  IN      NS      ns4.google.com.
```

E:

```
cristian@Batman:~$ dig A @8.8.8.8 google.com +short
216.58.214.206

cristian@Batman:~$ dig A @8.8.4.4 google.com +short
172.217.19.110
```

F:

```
cristian@Batman:~/Desktop/Year-II/Sem-II/PC/Labs/Lab9_DNS$ dig @8.8.8.8 -f cereri.txt +noall +answer
single-v4.protocoale.xyz. 299    IN      A       127.0.0.1
single.protocoale.xyz.   299     IN      A       127.0.0.1
multi-v4.protocoale.xyz. 299     IN      A       127.4.4.4
multi-v4.protocoale.xyz. 299     IN      A       127.3.3.3
multi-v4.protocoale.xyz. 299     IN      A       127.1.1.1
multi-v4.protocoale.xyz. 299     IN      A       127.2.2.2
multi.protocoale.xyz.    299     IN      A       127.1.1.1
multi.protocoale.xyz.    299     IN      A       127.2.2.2
multi.protocoale.xyz.    299     IN      A       127.4.4.4
multi.protocoale.xyz.    299     IN      A       127.3.3.3
pc.protocoale.xyz.       299     IN      CNAME   pcom.protocoale.xyz.
pcom.protocoale.xyz.     299     IN      CNAME   protocoale.protocoale.xyz.
protocoale.protocoale.xyz. 299   IN      A       127.42.42.42
pcom.protocoale.xyz.     299     IN      CNAME   protocoale.protocoale.xyz.
protocoale.protocoale.xyz. 299   IN      A       127.42.42.42
protocoale.protocoale.xyz. 299   IN      A       127.42.42.42
```

G:

```
cristian@Batman:~/Desktop/Year-II/Sem-II/PC/Labs/Lab9_DNS$ dig @8.8.8.8 test.dorinel.protocoale.xyz +trace
```

protocoale.xyz

```
protocoale.xyz.          3600    IN      NS      ns1bcp.name.com.
protocoale.xyz.          3600    IN      NS      ns2dqr.name.com.
protocoale.xyz.          3600    IN      NS      ns3hjx.name.com.
protocoale.xyz.          3600    IN      NS      ns4lrt.name.com.
```

dorinel.protocoale.xyz

```
dorinel.protocoale.xyz. 300      IN      NS       potato.dfilip.xyz.
dorinel.protocoale.xyz. 300      IN      NS       potato.dfilip.xyz.
```

H:

```
cristian@Batman:~/Desktop/Year-II/Sem-II/PC/Labs/Lab9_DNS$ dig -x 127.0.0.1 +noall +answer

; <<>> DiG 9.11.3-1ubuntu1.11-Ubuntu <<>> -x 127.0.0.1 +noall +answer
;; global options: +cmd
1.0.0.127.in-addr.arpa. 0        IN      PTR     localhost.
```

I: **dig google.com**
    dig 8.8.8.8