

Ex 2:

a) dig A single-v4.protocoale.club

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alin@DESKTOP-HG024RR:/mnt/d$ dig A single-v4.protocoale.club

; <<>> DiG 9.16.1-Ubuntu <<>> A single-v4.protocoale.club
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20913
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;single-v4.protocoale.club.      IN      A

;; ANSWER SECTION:
single-v4.protocoale.club. 300 IN      A      127.0.0.1

;; Query time: 93 msec
;; SERVER: 95.77.94.88#53(95.77.94.88)
;; WHEN: Thu Apr 29 18:32:53 EEST 2021
;; MSG SIZE rcvd: 70
```

b) dig AAA single-v6.protocoale.club

```
alin@DESKTOP-HG024RR:/mnt/d$ dig AAA single-v6.protocoale.club

; <<>> DiG 9.16.1-Ubuntu <<>> AAA single-v6.protocoale.club
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 19886
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;AAA.                IN      A

;; AUTHORITY SECTION:
AAA. 60 IN      SOA      ns1.dns.nic.AAA. hostmaster.neustar.biz. 1608241012 900 900 604800 60

;; Query time: 56 msec
;; SERVER: 95.77.94.88#53(95.77.94.88)
;; WHEN: Thu Apr 29 18:33:47 EEST 2021
;; MSG SIZE rcvd: 102

;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 32011
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;single-v6.protocoale.club.      IN      A

;; AUTHORITY SECTION:
protocoale.club. 600 IN      SOA      dns1.registrar-servers.com. hostmaster.registrar-servers.com. 1619407309 43200 3600 604800 3601

;; Query time: 89 msec
;; SERVER: 95.77.94.88#53(95.77.94.88)
;; WHEN: Thu Apr 29 18:33:47 EEST 2021
;; MSG SIZE rcvd: 127
```

c) dig MX protocoale.club

```
alin@DESKTOP-HG024RR:/mnt/d$ dig MX protocoale.club

; <<>> DiG 9.16.1-Ubuntu <<>> MX protocoale.club
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 7970
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;protocoale.club.                IN      MX

;; ANSWER SECTION:
protocoale.club.                300      IN      MX      20 alt2.gmail-smtp-in.l.google.com.
protocoale.club.                300      IN      MX      30 alt3.gmail-smtp-in.l.google.com.
protocoale.club.                300      IN      MX      10 alt1.gmail-smtp-in.l.google.com.

;; Query time: 93 msec
;; SERVER: 95.77.94.88#53(95.77.94.88)
;; WHEN: Thu Apr 29 18:35:55 EEST 2021
;; MSG SIZE rcvd: 133
```

d) dig single-v4.protocoale.club +noall +answer

```
alin@DESKTOP-HG024RR:/mnt/d$ dig single-v4.protocoale.club +noall +answer
single-v4.protocoale.club. 300 IN A 127.0.0.1
```

e) dig @ns1.google.com ns +short google.com

```
alin@DESKTOP-HG024RR:/mnt/d$ dig @ns1.google.com ns +short google.com
ns4.google.com.
ns2.google.com.
ns3.google.com.
ns1.google.com.
```

f) dig @8.8.8.8 ns +short -f gazde.txt

```
alin@DESKTOP-HG024RR:/mnt/d/PC/lab9$ dig @8.8.8.8 ns +short -f gazde.txt
ns1bcp.name.com.
ns2dqr.name.com.
ns3hjx.name.com.
ns4lrt.name.com.
```

g) dig +trace test.dorinel.protocoale.club

```
alin@DESKTOP-HG024RR:/mnt/d/PC/lab9$ dig +trace test.dorinel.protocoale.club
; <<> DIG 9.16.1-Ubuntu <<> +trace test.dorinel.protocoale.club
;; global options: +cmd
.      83943 IN      NS      f.root-servers.net.
.      83943 IN      NS      i.root-servers.net.
.      83943 IN      NS      a.root-servers.net.
.      83943 IN      NS      c.root-servers.net.
.      83943 IN      NS      j.root-servers.net.
.      83943 IN      NS      g.root-servers.net.
.      83943 IN      NS      h.root-servers.net.
.      83943 IN      NS      k.root-servers.net.
.      83943 IN      NS      l.root-servers.net.
.      83943 IN      NS      e.root-servers.net.
.      83943 IN      NS      b.root-servers.net.
.      83943 IN      NS      d.root-servers.net.
.      83943 IN      RRSIG NS 8 0 518400 20210512050000 20210420040000 14631 - qjCkctfigZizpy50kc0vgZOKDz14rEkn7J5rmlAAI7J/Oh2yRwldHt1 qB0QJuJCDAmuMNYeZISr36wz15/pBuo5oMkn175r9iHP8Mpuh1ptE wk7vvtReBcLSoufdebV+S2N
pJ6AA080Ther1CRL3gRkMceetHakPR oDrBk90ns12h2jncd40upRcd4Jlmau2mgApU7by2553V68DLtsvYg aJyBj0w0ZLHbVarJz4s1xJRXVue41511G6e7XkTxP6hc+8dJuo2c+ o3V1u3j3Woy0r0vK7P+nLRu2fY5CsF7teay0lQJru4UC1GZ4HHzxb 18E1sk==
;; Received 525 bytes from 95.77.94.88#53(95.77.94.88) in 27 ms
club. 172800 IN      NS      ns1.dns.nic.club.
club. 172800 IN      NS      ns2.dns.nic.club.
club. 172800 IN      NS      ns3.dns.nic.club.
club. 172800 IN      NS      ns4.dns.nic.club.
club. 172800 IN      NS      ns5.dns.nic.club.
club. 172800 IN      NS      ns6.dns.nic.club.
club. 86400 IN      DS      29815 8 1 7F288108B7158B38211A8AF453A599462017A
club. 86400 IN      DS      29815 8 2 3867F899857454E924D01FAE7298B741D61BA98C8D76CD888919ESC 0958CA23
club. 86400 IN      RRSIG DS 8 1 86400 20210512050000 20210420040000 14631 - lq2mkMGees36G48rZcx5vJ9R0CMagUB8nmmbITB+J0I+DPl6Pen6S dP3fVbn/mR1fqs+oHnCSkyeFHIG+/vvcVTA12j1KJfK17IBDT5Xm Y51onZXXBJMbnfh5Hu/ZJEC
Y0mf1skBJ8GLs77A0q0Mh1euf0f0xy Xfvo/Qw22Z0uRf148y9p18rce0uapJ1723+HMA4Spk7R0NhucdV Hpk13Pa00x1eqgYvYF0HcIEPj7e2JH8gfQZrACrS4UagpW8ZrL HeHMD8uE Fba8fRdzJrZ2HguHQ8z7C8u88K0PF88PH11af1A20/fg nPUSQ==
;; Received 808 bytes from 192.203.230.10#53(e.root-servers.net) in 18 ms
protocoale.club. 3600 IN      NS      dns1.registrar-servers.com.
protocoale.club. 3600 IN      NS      dns2.registrar-servers.com.
protocoale.club. 3600 IN      DS      51214 11 1 30808061688412F12FAF6311F54C02A14371718
protocoale.club. 3600 IN      RRSIG DS 8 2 3600 20210520144000 20210420142443 34263 club. j8k8Kdb9yJN0gu3u+E3RNDQJmacffHmseykMBLD/7+Fl91603+ZTHT AB81zUepLyM9w2ljoXanF79Y5Y7xhv/HF2f7EXuPGf0KVPMTbAST 4nIR8LydA06ckcXCc5V8RG
u0K02EMN/ZXPS+G6R/Va02228xUdF28Zuv /AeahPREj9gYQl7WuTu0HjSHu0jYvA0B8CME0zSKW==
;; Received 248 bytes from 156.154.133.200#53(nic.dns.nic.club) in 50 ms
dorinel.protocoale.club. 300 IN      NS      potato.dfillip.yzt.
dorinel.protocoale.club. 3601 IN      NSC     multi.protocoale.club. NS RRSIG NSC
dorinel.protocoale.club. 3601 IN      RRSIG NSC 11 3 3601 20210506000000 20210415000000 20015 protocoale.club. tWlM5e8LDRA5P93XA+S2pxXsN3aJDA7XqZ2aerXUPaoG6unse/FV15 1tLNDqSGkKwGCU5knk3VBE8BgluvCA=
;; Received 242 bytes from 156.154.133.200#53(dns2.registrar-servers.com) in 53 ms
test.dorinel.protocoale.club. 300 IN      A      127.0.0.42
test.dorinel.protocoale.club. 300 IN      A      127.0.0.42
dorinel.protocoale.club. 300 IN      NS      potato.dfillip.yzt.
;; Received 148 bytes from 89.28.81.172#53(potato.dfillip.yzt) in 20 ms
```

h) dig -x 8.8.8.8 +noall +answer

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alin@DESKTOP-HG024RR:/mnt/d/PC/lab9$ dig -x 8.8.8.8 +noall +answer
8.8.8.8.in-addr.arpa. 85507 IN PTR dns.google.
```