```
*Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, Type "copyright", "credits" or "license()"
                                                                          Administrator: Command Prompt
                                                                          Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
  RESTART: C:\Users\psomra\Documents\Psomra cr
The server is ready to receive on port: 6789 DNS Responded
                                                                          C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host1.student.test
                                                                             DNS Responded
                                                                           (1 server found)
; global options: +cmd
; Got answer:
->>HEADER</->
; Got grapher
1 server found)
; global options: +cmd
; Got answer:
->>HEADER
1 server found
id: 8463
; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2

DNS Responded
DNS Responded
                                                                           ;; QUESTION SECTION:
DNS Responded
                                                                           ;host1.student.test.
                                                                                                                     ΙN
DNS Responded
                                                                          ;; ANSWER SECTION:
                                                                                                                                          192.168.20.1
                                                                          host1.student.test.
                                                                                                          120
DNS Responded
                                                                           ;; AUTHORITY SECTION:
                                                                          student.test.
student.test.
                                                                                                          120
120
                                                                                                                     IN
IN
                                                                                                                               NS
NS
                                                                                                                                          ns1.student.test.
ns2.student.test.
DNS Responded
                                                                           :: ADDITIONAL SECTION:
                                                                          ns1.student.test.
ns2.student.test.
                                                                                                                                          127.0.0.1
192.168.10.11
                                                                                                                     IN
IN
                                                                                                          120
                                                                                                          120
                                                                          ;; Query time: 3 msec
;; SERVER: 127.0.0.1#6789(127.0.0.1)
;; WHEN: Wed Feb 14 22:01:27 Eastern Standard Time 2018
;; MSG SIZE rcvd: 218
                                                                          4
```

```
🏂 *Python 3.6.4 Shell*
File Edit Shell Debug Options Window Hel
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06 Type "copyright", "credits" or "license()" fc and Administrator Command Prompt
                                                                                                                                                                _ 🗆 ×
RESTART: C:\Users\psomra\Documents\Psomra cr
The server is ready to receive on port: 6789
C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host3.student.test
DNS Responded
                                                                            <>>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host3.student.test
                                                                            (1 server found)
                                                                          ; (| server round)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: NOTIFY, status: NOERROR, id: 29210
;; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
DNS Responded
DNS Responded
DNS Responded
                                                                         ;; QUESTION SECTION:
;host3.student.test.
DNS Responded
                                                                                                                              A
                                                                         ;; ANSWER SECTION:
host3.student.test.
DNS Responded
                                                                                                                                         192.168.20.3
                                                                                                         120
DNS Responded
                                                                          ;; AUTHORITY SECTION:
                                                                         student.test
                                                                                                         120
                                                                                                                              NS
NS
                                                                                                                                         ns1.student.test.
                                                                         student.test.
                                                                                                         120
                                                                                                                    ΙN
                                                                                                                                         ns2.student.test.
                                                                          ;; ADDITIONAL SECTION:
                                                                         ns1.student.test.
ns2.student.test.
                                                                                                         120
120
                                                                                                                   IN
IN
                                                                                                                                         127.0.0.1
192.168.10.11
                                                                                                                              A
                                                                            Query time: 3 msec
SERVER: 127.0.0.1#6789(127.0.0.1)
WHEN: Wed Feb 14 22:01:56 Eastern Standard Time 2018
MSG SIZE roud: 218
*Python 3.6.4 Shell*
File Edit Shell Debug Options Win
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06 Type "copyright", "credits" or "license()" for
                                                                                                                                                                 _ D X
                                                                         Administrator: Command Prompt
  RESTART: C:\Users\psomra\Documents\Psomra cr
                                                                         C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host2.student.test
DNS Responded
                                                                            <>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host2.student.test
                                                                            (1 server found)
; global options: +cmd
DNS Responded
                                                                             Got answer:
->>HEADER<<- opcode: NOTIFY, status: NOERROR, id: 59253
flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
DNS Responded
DNS Responded
                                                                          ;; QUESTION SECTION:
DNS Responded
                                                                          host2.student.test
                                                                                                                    ΙN
                                                                          ;; ANSWER SECTION:
DNS Responded
                                                                         host2.student.test
                                                                                                          120
                                                                                                                    ΙN
                                                                                                                                         192.168.20.2
DNS Responded
                                                                          ;; AUTHORITY SECTION:
                                                                         student.test.
student.test.
                                                                                                                    IN
IN
                                                                                                                               NS
NS
                                                                                                                                         ns1.student.test.
DNS Responded
                                                                                                          120
                                                                                                                                         ns2.student.test.
```

;; ADDITIONAL SECTION: ns1.student.test. ns2.student.test.

120

:: Query time: 3 msec ;; SERUER: 127.0.0.1#6789(127.0.0.1) ;; WHEN: Wed Feb 14 22:01:51 Eastern Standard Time 2018 ;: MSG SIZE rcvd: 218

ΙN

A

127.0.0.1 192.168.10.11

```
*Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06 Type "copyright", "credits" or "license()" for
                                                                                                                                                                        Administrator: Command Prompt
RESTART: C:\Users\psomra\Documents\Psomra cr
The server is ready to receive on port: 6789 : Warning: query response not set
                                                                                 Warning: query response not set
Warning: Message parser reports malformed message packet.
DNS Responded
                                                                               <<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host4.student.test
(1 server found)
; global options: +cmd
; Got answer:
; ->>HEADER<<- opcode: NOTIFY, status: NXDOMAIN, id: 42137
; flags:; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 2</pre>
DNS Responded
DNS Responded
DNS Responded
                                                                              ;; QUESTION SECTION:
DNS Responded
                                                                                                                          IN
DNS Responded
                                                                                Query time: 4 msec
SERVER: 127.0.0.1#6789(127.0.0.1)
WHEN: Wed Feb 14 22:02:01 Eastern Standard Time 2018
MSG SIZE rcud: 36
DNS Responded
DNS Responded
*Python 3.6.4 Shell*
 Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06
Type "copyright", "credits" or "license()" fo
                                                                                                                                                                          Type "copyright",
RESTART: C:\Users\psomra\Documents\Psomra cr
The server is ready to receive on port: 6789 c:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host21.ee.student.test
DNS Responded
                                                                                <<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host21.ee.student.te (1 server found)
DNS Responded
                                                                                (1 server found);
; global options: +cmd
; Got answer:
; ->>HEADER<<- opcode: NOTIFY, status: NOERROR, id: 31899
; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
DNS Responded
DNS Responded
                                                                              ;; QUESTION SECTION:
                                                                              ;host21.ee.student.test.
                                                                                                                                      ΙN
DNS Responded
                                                                              ;; ANSWER SECTION:
                                                                              host21.ee.student.test. 120
                                                                                                                           ΙN
                                                                                                                                      A
                                                                                                                                                 192.168.40.1
DNS Responded
                                                                              ;; AUTHORITY SECTION:
                                                                              student.test.
student.test.
                                                                                                                           IN
IN
                                                                                                                                      NS
NS
                                                                                                                                                 ns1.student.test.
DNS Responded
                                                                                                                120
                                                                                                                                                 ns2 student test.
DNS Responded
                                                                                 ADDITIONAL SECTION:
                                                                              ns1.student.test.
ns2.student.test.
                                                                                                                120
                                                                                                                           ΤN
                                                                                                                                      AA
                                                                                                                                                 127.0.0.1
192.168.10.11
                                                                                                                120
                                                                                 Query time: 2 msec
SERUER: 127.0.0.1#6789(127.0.0.1)
WHEN: Wed Feb 14 22:06:13 Eastern Standard Time 2018
MSG SIZE roud: 226
*Python 3.6.4 Shell*
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06 Type "copyright", "credits" or "license()" for
                                                                                                                                                                         Administrator: Command Prompt
  RESTART: C:\Users\psomra\Documents\Psomra cr C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host22.cs.student.test
                                                                                 Warning: query response not set
Warning: Message parser reports malformed message packet.
 The server is ready to receive on port: 6789
DNS Responded
                                                                                <<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host22.cs.student.te (1 server found)
DNS Responded
                                                                                 (1 server Found)
global options: +cmd
Got answer:
->>HEADER<<- opcode: NOTIFY, status: NXDOMAIN, id: 36041
flags:: QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 2</pre>
DNS Responded
DNS Responded
DNS Responded
                                                                              ;; QUESTION SECTION:
                                                                              ;host22.cs.student.test.
                                                                                                                                     IN
DNS Responded
                                                                                Query time: 2 msec
SERUER: 127.0.0.1#6789(127.0.0.1)
WHEN: Wed Feb 14 22:02:37 Eastern Standard Time 2018
MSG SIZE rcud: 40
DNS Responded
DNS Responded
```

```
*Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06 Type "copyright", "credits" or "license()" for
                                                                                                                                                                    _ D X
                                                                           Administrator: Command Prompt
                                                                            :\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host20.cs.student.test
RESTART: C:\Users\psomra\Documents\Psomra cr
The server is ready to receive on port: 6789
                                                                              <>>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host20.cs.student.te
                                                                             (1 server found)
; global options: +cmd
; Got answer:
; ->>HEADER</->
; global options: +cmd
; Got answer:
; ->>HEADER</->
; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
DNS Responded
DNS Responded
DNS Responded
                                                                            ;; QUESTION SECTION:
DNS Responded
                                                                            ;host20.cs.student.test.
                                                                                                                                 IN
DNS Responded
                                                                           ;; ANSWER SECTION:
                                                                            host20.cs.student.test. 120
                                                                                                                       ΙN
                                                                                                                                             192.168.30.1
DNS Responded
                                                                            ;; AUTHORITY SECTION:
                                                                                                                                 NS
NS
                                                                           student.test.
                                                                                                                                             ns1.student.test.
DNS Responded
                                                                           student.test.
                                                                                                            120
                                                                                                                       ΙN
                                                                                                                                             ns2.student.test.
DNS Responded
                                                                            ;; ADDITIONAL SECTION:
                                                                           ns1.student.test.
ns2.student.test.
                                                                                                            120
120
                                                                                                                       ΙN
                                                                                                                                             127.0.0.1
192.168.10.11
                                                                                                                       IN
                                                                           ;; Query time: 2 msec
;; SERUER: 127.0.0.1#6789(127.0.0.1)
;; WHEN: Wed Feb 14 22:02:29 Eastern Standard Time 2018
;; MSG SIZE roud: 226
```

