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*Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06:08:04) [AMD64] on win32
Type "copyright", "credits" or "license()" for more
>>>
RESTART: C:\Users\psomra\Documents\Psomra> python3 dig.py host1.student.test
The server is ready to receive on port: 6789
DNS Responded

DNS Responded

DNS Responded

DNS Responded

DNS Responded

DNS Responded

DNS Responded

Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host1.student.test

<<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host1.student.test
(1 server found)
;; global options: +cmd
;; Got answer:
;;->HEADER<- opcode: NOTIFY, status: NOERROR, id: 8463
;; flags: qr: QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2

;; QUESTION SECTION:
host1.student.test.          IN      A

;; ANSWER SECTION:
host1.student.test.         120     IN      A           192.168.20.1

;; AUTHORITY SECTION:
student.test.               120     IN      NS           ns1.student.test.
student.test.               120     IN      NS           ns2.student.test.

;; ADDITIONAL SECTION:
ns1.student.test.          120     IN      A           127.0.0.1
ns2.student.test.          120     IN      A           192.168.10.11

;; 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
```

```
Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06:08:04) [AMD64]
Type "copyright", "credits" or "license()" for more
>>>
RESTART: C:\Users\psomra\Documents\Psomra>
The server is ready to receive on port: 6789
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
Administrator: Command Prompt
C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host3.student.test
; <<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host3.student.test
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: NOTIFY, status: NOERROR, id: 29210
;; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
;; QUESTION SECTION:
;host3.student.test.          IN      A
;; ANSWER SECTION:
host3.student.test.  120     IN      A      192.168.20.3
;; AUTHORITY SECTION:
student.test.       120     IN      NS      ns1.student.test.
student.test.       120     IN      NS      ns2.student.test.
;; ADDITIONAL SECTION:
ns1.student.test.   120     IN      A      127.0.0.1
ns2.student.test.   120     IN      A      192.168.10.11
;; 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 rcvd: 218
```

```
Python 3.6.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06:08:04) [AMD64]
Type "copyright", "credits" or "license()" for more
>>>
RESTART: C:\Users\psomra\Documents\Psomra>
The server is ready to receive on port: 6789
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
Administrator: Command Prompt
C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host2.student.test
; <<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host2.student.test
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: NOTIFY, status: NOERROR, id: 59253
;; flags: qr; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
;; QUESTION SECTION:
;host2.student.test.          IN      A
;; ANSWER SECTION:
host2.student.test.  120     IN      A      192.168.20.2
;; AUTHORITY SECTION:
student.test.       120     IN      NS      ns1.student.test.
student.test.       120     IN      NS      ns2.student.test.
;; ADDITIONAL SECTION:
ns1.student.test.   120     IN      A      127.0.0.1
ns2.student.test.   120     IN      A      192.168.10.11
;; Query time: 3 msec
;; SERVER: 127.0.0.1#6789(127.0.0.1)
;; WHEN: Wed Feb 14 22:01:51 Eastern Standard Time 2018
;; MSG SIZE rcvd: 218
```

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Python 3.6.4 Shell
File Edit Shell Debug Options Window Help
Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06:04:15) [AMD64] on win32
Type "copyright", "credits" or "license()" for more
>>>
RESTART: C:\Users\psomra\Documents\Psomra>
The server is ready to receive on port: 6789
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
Administrator: Command Prompt
C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host4.student.test
;; Warning: query response not set
;; Warning: Message parser reports malformed message packet.

<<>> 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

;; QUESTION SECTION:
host4.student.test.          IN      A

;; 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 rcvd: 36
```

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Python 3.6.4 Shell
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>>>
RESTART: C:\Users\psomra\Documents\Psomra>
The server is ready to receive on port: 6789
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
Administrator: Command Prompt
C:\Users\psomra>dig +norecurse @127.0.0.1 -p 6789 host21.ee.student.test
<<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host21.ee.student.test
(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

;; QUESTION SECTION:
host21.ee.student.test.      IN      A

;; ANSWER SECTION:
host21.ee.student.test. 120 IN A 192.168.40.1

;; AUTHORITY SECTION:
student.test. 120 IN NS ns1.student.test.
student.test. 120 IN NS ns2.student.test.

;; ADDITIONAL SECTION:
ns1.student.test. 120 IN A 127.0.0.1
ns2.student.test. 120 IN A 192.168.10.11

;; Query time: 2 msec
;; SERVER: 127.0.0.1#6789(127.0.0.1)
;; WHEN: Wed Feb 14 22:06:13 Eastern Standard Time 2018
;; MSG SIZE rcvd: 226
```

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Python 3.6.4 Shell
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Type "copyright", "credits" or "license()" for more
>>>
RESTART: C:\Users\psomra\Documents\Psomra>
The server is ready to receive on port: 6789
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
DNS Responded
Administrator: Command Prompt
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.

<<>> DiG 9.10.6-P1 <<>> +norecurse @127.0.0.1 -p 6789 host22.cs.student.test
(1 server found)
;; global options: +cmd
;; Got answer:
-->HEADER<<- opcode: NOTIFY, status: NXDOMAIN, id: 36041
;; flags: QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 2

;; QUESTION SECTION:
host22.cs.student.test.     IN      A

;; Query time: 2 msec
;; SERVER: 127.0.0.1#6789(127.0.0.1)
;; WHEN: Wed Feb 14 22:02:37 Eastern Standard Time 2018
;; MSG SIZE rcvd: 40
```

