

```
~/_school/cs356/hw02 % python dnsserver.py 127.0.0.1 9999
```

```
~/_school/cs356/hw02 % python dnsclient.py 127.0.0.1 9999 host1.student.test
```

```
Sending Request to: 127.0.0.1, 9999
```

```
Message ID: 85
```

```
Question Length: 23 bytes
```

```
Answer Length: 0 bytes
```

```
Question: host1.student.test A IN
```

```
Received Response from: 127.0.0.1, 9999
```

```
Return Code: 0 (No Errors)
```

```
Message ID: 85
```

```
Question Length: 23 bytes
```

```
Answer Length: 42 bytes
```

```
Question: host1.student.test A IN
```

```
Answer: host1.student.test A IN 3600 192.168.10.1
```

```
~/_school/cs356/hw02 %
```

```
~/_school/cs356/hw02 % python dnsserver.py 127.0.0.1 9999
```

```
~/_school/cs356/hw02 % python dnsclient.py 127.0.0.1 9999 non.functional.name
Sending Request to: 127.0.0.1, 9999
Message ID: 43
Question Length: 24 bytes
Answer Length: 0 bytes
Question: non.functional.name A IN

Received Response from: 127.0.0.1, 9999
Return C0de: 1 (Name does not exist)
Message ID: 43
Question Length: 24 bytes
Answer Length: 0 bytes
Question: non.functional.name A IN
~/_school/cs356/hw02 %
```

```
~/_school/cs356/hw02 % python dnsserver.py 127.0.0.1 9999
```

```
^CTraceback (most recent call last):  
  File "dnsserver.py", line 25, in <module>  
    data, addr=serSocket.recvfrom(1024)  
KeyboardInterrupt
```

```
~/_school/cs356/hw02 % _
```

```
~/_school/cs356/hw02 % python dnsclient.py 127.0.0.1 9999 host1.student.test
```

```
Sending Request to: 127.0.0.1, 9999  
Message ID: 6  
Question Length: 23 bytes  
Answer Length: 0 bytes  
Question: host1.student.test A IN
```

```
Server Timedout...  
Sending Request to: 127.0.0.1, 9999  
Server Timedout...  
Sending Request to: 127.0.0.1, 9999  
Server Timedout...
```

```
~/_school/cs356/hw02 %
```