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Assignment UDP Pinger
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Source Code:

from socket import *

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from datetime import datetime
serverName = '127.0.0.1'
serverPort = 12000
counter = 0;
message = "i love to study computer networking"
while counter < 10:
  counter = counter +1
  mainSocket = socket(AF INET,SOCK DGRAM)
  try:
    mainSocket.settimeout(1.0)
    startTime = datetime.now()
    mainSocket.sendto(message,(serverName, serverPort))
    modifiedMessage, serverAddress = mainSocket.recvfrom(1024)
    endTime = datetime.now()
  except timeout:
    print 'PING ' +str(counter)+' '+ str(startTime)+ ': Request timed out!'
    mainSocket.close()
  else:
    print 'PING ' +str(counter)+' '+ str(startTime)+': Returned: ' + modifiedMessage + ' RTT:'+
str(endTime-startTime)
mainSocket.close()
```

ScreenShot:

```
tests-MacBook-Pro:UDP_Pinger YAN$ python client.py
PING 1 2014-11-24 02:27:55.140894: Returned: I LOVE TO STUDY COMPUTER NETWORKING
RTT:0:00:00.000602
PING 2 2014-11-24 02:27:55.141572: Returned: I LOVE TO STUDY COMPUTER NETWORKING
RTT:0:00:00.000149
PING 3 2014-11-24 02:27:55.141785: Returned: I LOVE TO STUDY COMPUTER NETWORKING
RTT:0:00:00.000120
PING 4 2014-11-24 02:27:55.141955: Request timed out!
PING 5 2014-11-24 02:27:56.142290: Returned: I LOVE TO STUDY COMPUTER NETWORKING
RTT:0:00:00.000162
PING 6 2014-11-24 02:27:56.142500: Request timed out!
PING 7 2014-11-24 02:27:57.142773: Returned: I LOVE TO STUDY COMPUTER NETWORKING
 RTT:0:00:00.000184
 ING 8 2014-11-24 02:27:57.143007: Request timed out!
PING 9 2014-11-24 02:27:58.146474: Returned: I LOVE TO STUDY COMPUTER NETWORKING
RTT:0:00:00.000159
PING 10 2014-11-24 02:27:58.146687: Request timed out!
tests-MacBook-Pro:UDP_Pinger YAN$
```