COMPUTER NETWORKS

PYTHON ASSIGNMENT-2

Complete Ping Client Code:

import select

import sys

import time

from socket import \*

clientSocket = socket(AF\_INET, SOCK\_DGRAM)

# Connect the socket to the port where the server is listening

server\_address = ('localhost', 12000)

print >>sys.stderr, 'connecting to %s port %s' % server\_address

clientSocket.connect(server\_address)

clientSocket.setblocking(1)

try:

for i in range(1, 11):

message = "Ping %d %s" % (i, time.time())

sendTime = time.time()

clientSocket.sendall(message)

ready = select.select([clientSocket], [], [], 1)

if ready[0]:

data = clientSocket.recv(1024)

receiveTime = time.time()

print 'Data: %s' % (data)

print 'Roundtrip time %d' % (receiveTime - sendTime)

else:

print 'Request timed out'

finally:

print >> sys.stderr, 'closing socket'

clientSocket.close()

Output:



