## Python

Python code was set up to send a file from a client to a server. It does not need to be compiled as it is an interpreted programming language. To run the code execute “python <FILE\_NAME>.py”. For both Java and Python make sure to start a Server before starting a Client.

**Client**

import socket

import sys

import time

s = socket.socket()

s.connect(("192.168.1.2",9999))

input\_var = raw\_input("Enter file name: ")

localtime = time.asctime( time.localtime(time.time()) )

print "Start time :", localtime

f=open (input\_var, "rb")

l = f.read(1024)

while (l):

s.send(l)

l = f.read(1024)

localtime = time.asctime( time.localtime(time.time()) )

print "End time :", localtime

s.close()

**Server**

import socket

import sys

import time

s = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

s.bind(('',9999))

s.listen(1)//CHANGING THE NUMBER IN PARENTHESES WILL CHANGE THE NUMBER OF CLIENTS THAT CAN CONNECT TO THE SERVER

while True:

print "Waiting on Client"

sc, address = s.accept()

print "Connected to ", address

f = open("copy.1G",'wb')

l = sc.recv(1024)

localtime = time.asctime( time.localtime(time.time()) )

print "Start time :", localtime

while (l):

f.write(l)

l = sc.recv(1024)

f.close()

localtime = time.asctime( time.localtime(time.time()) )

print "End time :", localtime

sc.close()

print "Server DONE"

s.close()