SERVER\_SH

import socket

#import RPi.GPIO as GPIO

import time

server\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

server\_socket.bind(("", 5001))

server\_socket.listen(5)

#GPIO.setmode(GPIO.BOARD)

#GPIO.setup(11, GPIO.OUT)

def on(pin):

G#PIO.output(pin,GPIO.HIGH)

return

def off(pin):

#GPIO.output(pin,GPIO.LOW)

return

while 1:

client\_socket, address = server\_socket.accept()

print "I got a connection from", address

print "Connection Authenticated"

while 1:

data = client\_socket.recv(512)

if(data!=""):

print "Received @ Driver Server :" , data

if(data=="1"):

print "Switch OFF"

off(11)

if(data=="2"):

print "Switch ON"

on(11)

WEB\_SH

import socket

import time

#Acting Client Role

client\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

client\_socket.connect(("192.168.43.240", 5001))

client\_socket.send("0000")

print "Connected"

#Acting Server Role

while 1:

server\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

server\_socket.bind(("", 5001))

server\_socket.listen(5)

print "Server(Web) waiting on port 5001"

while 1:

client\_socket\_1, address = server\_socket.accept()

print "Connected.."

while 1:

data\_1 = client\_socket\_1.recv(512)

if(data\_1!=""):

print "Received @ web server:" , data\_1

client\_socket.send(data\_1)