ASSIGNMENT-3

Submitted by

B. Mejalin Arno

2019504037

Python program for blinking LED:

import RPi.GPIO as IO

import time

IO.setmode (IO.BOARD)

IO.setup(40,IO.OUT)             # initialize digital pin40 as an output.

IO.output(40,1)

time.sleep(1)                         # sleep for a second

IO.cleanup()

time.sleep(1)                        #sleep for a second

IO.setmode (IO.BOARD)  
IO.setup(40,IO.OUT)  
IO.output(40,1)  
time.sleep(1)  
IO.cleanup()  
time.sleep(1)

Blinking Traffic lights:

from gpiozero import LED

from time import sleep

red = LED(22)

amber = LED(27)

green = LED(17)

red.blink(1, 1)

amber.blink(2, 2)

green.blink(3, 3)

while True:

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()