Assignment-3

LED Blinking

import RPi.GPIO as GPIO

 import time

 GPIO.setmode (GPIO.BOARD)

 GPIO.setup(11,GPIO.out)

 GPIO.output(11,1)

 time.sleep(1)

 GPIO.output(11,0)

 time.sleep(1)

 GPIO.output(11,1)

 time.sleep(1)

 GPIO.output(11,0)

 time.sleep(1)

 GPIO.cleanup()

 Traffic light

 import RPi.GPIO as GPIO

 import time

GPIO.setmode(GPIO.BOARD)

red=7

yellow=11

green=13

GPIO.setup(red,GPIO.OUT)

GPIO.setup(yellow,GPIO.OUT)

GPIO.setup(green,GPIO.OUT)

 while True:

GPIO.output(red,True)

 sleep(3)

 GPIO.output(red,False)

 GPIO.output(yellow,True)

 sleep(1)

 GPIO.output(yellow,False)

GPIO.output(green,True)

sleep(3)

GPIO.output(green,False)

GPIO.cleanup()