# ASSIGNMENT 3

Python code for blinking LED and Traffic Lights for Raspberry Pi

SUBMITTED BY

Makeswari.N

Code:

# Blink an LED

import RPi.GPIO as gpio

from time import sleep

gpio.setwarnings(False)

gpio.setmode(GPIO.BOARD)

gpio.setup(10, GPIO.OUT, initial=GPIO.LOW)

while True:

gpio.output(10, GPIO.HIGH)

sleep(1)

gpio.output(10, GPIO.LOW)

sleep(1)

# Traffic Light

import RPi.GPIO as gpio

from time import sleep

gpio.setwarnings(False)

gpio.setmode(GPIO.BOARD)

gpio.setup(30, GPIO.OUT, initial=GPIO.LOW) # Red

gpio.setup(31, GPIO.OUT, initial=GPIO.LOW) # Yellow

gpio.setup(32, GPIO.OUT, initial=GPIO.LOW) # Green

while True:

gpio.output(30, GPIO.HIGH)

sleep(50)

gpio.output(31, GPIO.HIGH)

sleep(5)

gpio.output(30, GPIO.LOW)

sleep(5)

gpio.output(31, GPIO.LOW)

gpio.output(32, GPIO.HIGH)

sleep(50)

gpio.output(32, GPIO.LOW)

gpio.sleep(1)