A green circuit board with wires

Description automatically generated

#libraries

import RPi.GPIO as GPIO

from time import sleep

#disable warnings (optional)

GPIO.setwarnings(False)

#Select GPIO Mode

GPIO.setmode(GPIO.BCM)

#set red,green and blue pins

redPin = 12

greenPin = 19

bluePin = 13

#set pins as outputs

GPIO.setup(redPin,GPIO.OUT)

GPIO.setup(greenPin,GPIO.OUT)

GPIO.setup(bluePin,GPIO.OUT)

def turnOff():

GPIO.output(redPin,GPIO.HIGH)

GPIO.output(greenPin,GPIO.HIGH)

GPIO.output(bluePin,GPIO.HIGH)

def white():

GPIO.output(redPin,GPIO.LOW)

GPIO.output(greenPin,GPIO.LOW)

GPIO.output(bluePin,GPIO.LOW)

def red():

GPIO.output(redPin,GPIO.LOW)

GPIO.output(greenPin,GPIO.HIGH)

GPIO.output(bluePin,GPIO.HIGH)

def green():

GPIO.output(redPin,GPIO.HIGH)

GPIO.output(greenPin,GPIO.LOW)

GPIO.output(bluePin,GPIO.HIGH)

def blue():

GPIO.output(redPin,GPIO.HIGH)

GPIO.output(greenPin,GPIO.HIGH)

GPIO.output(bluePin,GPIO.LOW)

def yellow():

GPIO.output(redPin,GPIO.LOW)

GPIO.output(greenPin,GPIO.LOW)

GPIO.output(bluePin,GPIO.HIGH)

def purple():

GPIO.output(redPin,GPIO.LOW)

GPIO.output(greenPin,GPIO.HIGH)

GPIO.output(bluePin,GPIO.LOW)

def lightBlue():

GPIO.output(redPin,GPIO.HIGH)

GPIO.output(greenPin,GPIO.LOW)

GPIO.output(bluePin,GPIO.LOW)

while True:

turnOff()

sleep(1) #1second

white()

sleep(1)

red()

sleep(1)

green()

sleep(1)

blue()

sleep(1)

yellow()

sleep(1)

purple()

sleep(1)

lightBlue()

sleep(1)