# ASSIGNMENT 3

TEAM ID PNT2022TMID01063

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LED BLINKING USING RASPBERRY PI:

PYTHON CODE:

import Rpi.GPIO as GPIO

import time

ledPin = 22

def setup():

GPIO.setmode(GPIO.BOARD)

GPIO.setup(ledPin, GPIO.OUT)

GPIO.output(ledPin, GPIO.LOW)

def loop():

while True:

print 'LED on'

GPIO.output(ledPin, GPIO.HIGH)

time.sleep(1.0)

print 'LED off'

GPIO.output(ledPin, GPIO.LOW)

time.sleep(1.0)

def endprogram():

GPIO.output(ledPin, GPIO.LOW)

GPIO.cleanup()

if \_\_name\_\_ == '\_\_main\_\_':

setup()

try:

loop()

except KeyboardInterrupt:

endprogram()

TRAFFIC LIGHT USING RASPBERRY PI:

PYTHON CODE:

from gpiozero import LED

from time import sleep

red=LED(22)

orange=LED(27)

green=LED(17)

while True:

red.on()

sleep(1)

orange.on(1)

sleep(1)

green.on()

sleep(1)

red.off()

sleep(1)

orange.off()

sleep(1)

green.off()