ASSIGNMENT-3

**QUESTION**:-Write a python code for Blinking LED and Traffic lights for Rasperry Pi.

**LED BLINKING**:-

import RPi.GPIO as GPIO

import time

ledPin=22

def setup():

GPIO.setmode(GPIO.BOARD)

GPIO.setmode(ledPin,GPIO.OUT)

GPIO.setmode(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()

:

from giozero import LED

from time import sleep

red=LED(17)

yellow=LED(22)

green=LED(27)

While True:

Red.on()

sleep(15)

red.off()

sleep(1)

yellow.on()

sleep(10)

yellow.off()

sleep(1)

green.on()

sleep(10)

green.off()

sleep(1)