Aim:

To write a python code to blink a led and traffic lights for raspberry pi.

Code:

import RPi.GPIO as GPIO

import time

LED\_PIN = 17

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED\_PIN, GPIO.OUT)

while True:

GPIO.output(LED\_PIN, GPIO.HIGH)

time.sleep(1)

GPIO.output(LED\_PIN, GPIO.LOW)

time.sleep(1)

GPIO.cleanup()

Code:

from gpizero import Button, TrafficLights , Buzzer

from time import sleep

button=button(21)

lights=Trafficlights(25,8,7)

buzzer=Buzzer(15)

while True:

button wait\_for\_press()

lights.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

Result :

Thus the code to blink led and traffic lights verified and executed successfully.