

Assignment -3

Assignment Date	6 October 2022
Student Name	Mr. S. Shamkumar
Student Roll Number	510119106010
Maximum Marks	2 Marks

Question: Write a python code for Blinking led and traffic light in raspberry pi.

1.Blinking led

Code:

```
import time
import RPi.GPIO as GPIO    ## Import GPIO library
GPIO.setmode(GPIO.BOARD)   ## Use board pin numbering
GPIO.setup(11, GPIO.OUT)   ## Setup GPIO Pin 11 to OUT
while True:
    GPIO.output(11,True)    ## Turn on Led
    time.sleep(1)           ## Wait for one second
    GPIO.output(11,False)   ## Turn off Led
    time.sleep(1)           ## Wait for
```

2.Traffic light

Code:

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
        button.wait_for_press()
        buzzer.on()
        light.green.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(1)
        lights.off()
        buzzer.off()
```