

Assignment -3

Assignment Date	19 September 2022
Student Name	Mr.Ragulgandhi.K
Student Roll number	312819106031
Maximum Marks	2 Marks

Write python code for blinking LED and Traffic lights for Raspberry pi.

Only python code is enough, no need to execute in raspberry pi.

LED BLINKING CODE:-

```
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

    GPIO.output(8, GPIO.HIGH)

    sleep(1)

    GPIO.output(8, GPIO.LOW)

    sleep(1)
```

TRAFFIC LIGHT CODE:-

```
from gpio zero import LED

from time import sleep

red = LED(22)

yellow = LED(27)

green = LED(17)

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)