

### Assignment -3

Assignment Date	08 October 2022
Student Name	Arunkumar S.
Student Roll Number	611219106004
Maximum Marks	2 Marks

#### Question-1:

Write python code for blinking LED for Raspberry pi.

#### Solution:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(11,True)
    time.sleep(1)
    GPIO.output(11,False)
    time.sleep(1)
```

#### Question-2:

Write python code for blinking Traffic lights for Raspberry pi.

#### Solution:

```
from gpiozero import LED
from time import sleep
red = LED(22)
amber = LED(27)
green = LED(17)
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```