

### ASSIGNMENT 3

|         |                  |
|---------|------------------|
| Date    | 02 October 2022  |
| Team ID | PNT2022TMID14424 |
| Roll No | 711319EC108      |

#### **Python code for blinking LED using Raspberry pi**

```
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)
```

#### **Python code for Traffic Lights using Raspberry pi**

```
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()