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| Assignment Date | 2 October 2022 |
| Student Name | Vignesh S |
| Student Roll Number | 2019504606 |
| Maximum Marks | 2 Marks |

ASSIGNMENT-3

LED BLINK:(source code)

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| 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:(source code)

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| from gpiozero import Button,Traffic Lights,Buzzer  from time import sleep |
| buzzer = Buzzer(15) |
| button = Button(21) |
| lights = TrafficLights(25,8,7) |
| while True: |
| button.wat\_for\_press() |
| buzzer.on() |
| light.green.on() |
| sleep(1) |
| lights.amber.on() |
| sleep(1) |
| lights.red.on() |
| sleep(1) |

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| lights.off() |
| buzzer.off() |