

### ASSIGNMENT 3

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|---------------------|-------------------|
| Assignment Date     | 7 october 2022    |
| Student Name        | Mr. Chandrabose.S |
| Student Roll Number | 721719106010      |
| Maximum Marks       | 2 Marks           |

#### Question:

BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

#### Code:

```
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)

from gpiozero import Button, TrafficLights, Buzzer buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7) while True: button.wait_for_press()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off() while True:

lights.on()

buzzer.off()

button.wait_for_press()

lights.off()

buzzer.on()

button.wait_for_release() while True:

lights.blink()

buzzer.beep()

button.wait_for_press()
```

```
lights.off()
```

```
buzzer.off()
```

```
button.wait_for_release()
```