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| Assignment Date | 08 October2022 |
| Student Name | A.A. Alameen |
| Student Roll Number | 311019205005 |
| Maximum Mark | 2 Marks |

**Assignment-3**

**Blink LED**

**Program:**

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) **# Turn on**

sleep(1)

GPIO.output(8, GPIO.LOW) **# Turn off**

sleep(1)

**Traffic Light**

**Program:**

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

button.wait\_for\_press()

buzzer.on()

lights.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()