**Assignment -3**

PYTHON CODE

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| Assignment Date | 05 October 2022 |
| Student Name | Mr. MOHAMMED SAJID . F |
| Student Roll Number | AC19UIT055 |
| Maximum Marks | 2 Marks |

**Question-1:**

Write python code for blinking LED traffic lights for raspberry pi.

**CODE:**

from gpiozero import Button,LED,TrafficLights,Buzzer

from time import sleep

button = Button(21)

lights = TrafficLights(25, 8, 7)

buzzer = Buzzer(15)

while True:

button.wait\_for\_press()

lights.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()