**Assignment-3**

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| **Assignment Date** | **07 October 2022** |
| **Student Name** | **M. Bala Vignesh Kumar** |
| **Student Roll Number** | **910619106008** |
| **Maximum Marks** | **2 Marks** |

**Question-1:**

**Write a Python Code for Blinking Led and Traffic Lights for Raspberry Pi**

**CODE -1**

from gpiozero import LED

red = LED(22)

amber = LED(27)

red.blink(1, 1)

amber.blink(2, 2)

**CODE-2:**

from gpiozero import LED

from time import sleep

red = LED(22)

amber = LED(27)

green = LED(17)

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

//lights on and off in sequence

from gpiozero import LED

from time import sleep

red = LED(22)

amber = LED(27)

green = LED(17)

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()

//while loop

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()