**ASSIGNMENT-3**

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| Assignment Date | 11 Oct 2022 |
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| Student Roll Num | 2019pitec105 |

**Question-2**

**Write python code for blinking LED and Traffic lights for Raspberry pi.**

**1.Control the LEDs**

Enter the following code :

import LED

red = LED(22)

red.blink()

from gpiozero

import LED

red = LED(22)

amber = LED(27)

green = LED(17)

red.blink(1, 1)

amber.blink(2, 2)

green.blink(3, 3)

**2.Traffic lights 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)

Try turning the lights on and off in sequence:

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()

Try repeating this by putting the code inside a while loop:

while True:

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()