Assignment-3

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| Assignment date | 06October2022 |
| Student Name | Manikandan A |
| Student RollNumber | 73771913140 |
| Maximum Marks | 2marks |

Question:

**Write python code for blinking LED and Traffic Lights for Raspberry piSolution:**

Program for LED interface with Raspberry pi:fromgpiozeroimportButton,LED

led=LED(25)

button = Button(21)while True:

button.wait\_for\_press()led.on()print("Pressed")

button.wait\_for\_release()led.off()print("Released")

Program for Traffic Lights with Raspberry Pi:fromgpiozeroimportLED

from time import sleepred=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()