Assignment 3

|  |  |
| --- | --- |
| Assignment date | 05 October 2022 |
| Student Name | Karthikeyan P |
| Student Roll Number | 73771913133 |
| Maximum Marks | 2 marks |

Question:

Write python code for blinking LED and Traffic Lights for Raspberry pi Solution:

Program for LED interface with Raspberry pi: from gpiozero import Button, 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: 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()