# Assignment -3

Python Programming

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| Assignment Date | 5th October 2022 |
| Student Name | Mr. P. Sakthi Murugan |
| Student Roll Number | 73771913162 |
| Maximum Marks | 2 Marks |

# Question:

Write python code for blinking LED and Traffic lights for Raspberry Pi.

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| **Solution:** |
| **Program to interface LED 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:**  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() |