**Assignment 3**

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| Assignment Date | 05October 2022 |
| Student Name | Boopathi M |
| Student Roll Number | 1913111 |
| Maximum Marks | 2 marks |

**Question 01**

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

**Solution**:

**Code 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”)

**Code for Traffic light**

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()