**Assignment -3**

Python Programming

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| Student Name | Parimala .N |
| Student Roll Number | 730419106031 |

**Write a python code for blinking LED and traffic light using raspberrypi**

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import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

while True:

GPIO.output(11,True)

time.sleep(5)

GPIO.output(11,False)

time.sleep(5)

from gpiozero import Button, TrafficLights, Buzzer

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

           button.wait\_for\_press()

           buzzer.on()

           light.green.on()

           sleep(5)

           lights.amber.on()

           sleep(5)

           lights.red.on()

           sleep(5)

           lights.off()

           buzzer.off()