

ASSIGNMENT -3

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| Assignment Date | 05 October 2022 |
| Student Name | Mr. Surya.G |
| Student Roll Number | 411619104028 |
| Maximum Marks | 2 Marks |

QUESTION:

Write a python code for blinking LED and Traffic Lights for Raspberry pi.

SOLUTION:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
GPIO.setup(12, GPIO.OUT)
GPIO.setup(13, GPIO.OUT)
while True:
    GPIO.output(11,True)    ## Turn on redLed
    time.sleep(1)          ## Wait for one second
    GPIO.output(11,False)  ## Turn off redLed
    time.sleep(1)          ## Wait for one second
    GPIO.output(12,True)   ## Turn on yellowLed
    time.sleep(1)          ## Wait for one second
    GPIO.output(12,False)  ## Turn off yellowLed
    time.sleep(1)          ## Wait for one second
    GPIO.output(13,True)   ## Turn on greenLed
    time.sleep(1)          ## Wait for one second
    GPIO.output(13,False)  ## Turn off greenLed
    time.sleep(1)          ## Wait for one second
```