

ASSIGNMENT 3

Python Programming

Assignment Date	6 OCTOBER 2022
Student Name	Mr.M.Selvasanthosh
Student Roll No	732919ECR125
Maximum Marks	2 Marks

Question:

Write python code for blinking LED and traffic lights for Raspberry Pi

```
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
```