

ASSIGNMENT -3

PYTHON PROGRAMMING

Asssignment Date	29.09.2022
Student name	Ranjith
Student roll number	212019106013
Maximum marks	2 marks

QUESTION 1:

Python code for blinking LED and traffic lights for Rasberry 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
```