

Assignment -3
PYTHON PROGRAMMING

Assignment Date	07 October 2022
Student Name	<u>Gangadi Sudheer</u>
Student Roll Number	212219060084
Maximum Marks	2 Marks

Question-1:

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

Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

Solution:

PROGRAM:

```
import time

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)
```