

ASSIGNMENT-3 PYTHON CODE

Assignment Date	16 OCT 2022
Student Name	Niveditha M G
Student Roll Number	113219041075
Maximum Marks	2 Marks

Task:

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.

Code:

```
import RPi.GPIO as GPIO
import time
import signal
import sys
#SETUP PART
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
GPIO.output(9,False)
GPIO.output(10,False)
GPIO.output(11,False)
GPIO.cleanup()
sys.exit(0)
signal.signal(signal.SIGINT,allLightsOff)
#LOOP PART
While True:
    GPIO.output(9,True) #red
    time.sleep(3)
    GPIO.output(10,True) #red and amber
    time.sleep(1)
    GPIO.output(9,False) #green
    GPIO.output(9,True)
    GPIO.output(11,True)
```

```
time.sleep(5)
GPIO.output(11,False) #amber
GPIO.output(10,True)
time.sleep(2)
GPIO.output(10,False) #amber off
```