

ASSIGNMENT 3

PYTHON PROGRAMMING

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ASSIGNMENT 3 :

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:

```
import RPi.GPIO as GPIO
import time
import signal
import sys
#setup
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
While True:
#red
GPIO.output(9, True)
time.sleep(3)
#red&amber
GPIO.output(10, True)
time.sleep(1)
#green
GPIO.output(9, False)
GPIO.output(9, True)
GPIO.output(11, True)
time.sleep(5)
#amber
```