

ASSIGNMENT- 03

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


GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT) #Red Led at Pin 9

GPIO.setup(10, GPIO.OUT) #Amber Led at Pin 10

GPIO.setup(11, GPIO.OUT) #Green Led at Pin 11


while True:

    #Red

    GPIO.output(9, True)

    time.sleep(3)
```

#Red and Amber

GPIO.output(10, True)

time.sleep(1)

#Green

GPIO.output(9, False)

GPIO.output(10, False)

GPIO.output(11, True)

time.sleep(5)

#Amber

GPIO.output(11, False)

GPIO.output(10, True)

time.sleep(2)

#Amber Off (Red comes on at Top of Loop)

GPIO.output(10, False)