

Assignment -3
Python Programming

Assignment Date	17th october 2022
Student Name	SHREELAKSHMI R I
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Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import Rpi.GPIO as GPIO
import time
GPIO.setwarnings(False)
# set up variables
Green = 11
Yellow = 10
Red = 9
# set up numbering scheme
GPIO.setmode (GPIO.BCM)
# set the mode on the pins to out
GPIO.(red,GPIO.out)
GPIO.(green,GPIO.out)
GPIO.(yellowGPIO.out)
# initially turn the lights off
GPIO.output (green,false)
GPIO.output (yellow,false)
GPIO.output (red,false)
# turn green on for 3 seconds
GPIO.output (green,true)
Time.Sleep (3)
# turn yellow on for 3 seconds
GPIO.output (green,false)
GPIO.output (yellow,false)
Time.sleep (3)
# turn red on
GPIO.output (yellow,false)
GPIO.output(red,true)
LTime.sleep (10)
Python Code for Blinking LED for raspberry pi
From GPIOzero import LED
From time import sleep
Led = LED (16)
While true:
LED.on ()
Sleep (1)
LED.off ()
Sleep(1)
```

