

Assignment -3
Python Programming

Assignment Date	5 October 2022
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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:

Blinking of LED:

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(3,GPIO.OUT)
while True:
    GPIO.output(3,True)
    time.sleep(1)
    GPIO.output(3,False)
    time.sleep(1)
```



```
blink.py - C:/Users/SPARROW INFOTECH/Desktop/blink.py (3.7.0)
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import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(3,GPIO.OUT)
while True:
    GPIO.output(3,True)
    time.sleep(1)
    GPIO.output(3,False)
    time.sleep(1)
```

Traffic light:

```
from gpiozero import LED
import time
red=LED(16)
yellow=LED(18)
green=LED(17)
red.on()
time.sleep(5)
red.off()
yellow.on()
time.sleep(3)
yellow.off()
green.on()
time.sleep(5)
green.off()
```



traficli.py - C:/Users/SPARROW INFOTECH/AppData/Local/Programs/Python/Python37/trafic...

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```
from gpiozero import LED
import time
red=LED(16)
yellow=LED(18)
green=LED(17)
red.on()
time.sleep(5)
red.off()
yellow.on()
time.sleep(3)
yellow.off()
green.on()
time.sleep(5)
green.off()
```

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