

ASSIGNMENT-3

Assignment Date	4 Oct 2022
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Question-2

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

1.Control the LEDs

Enter the following code :

```
import LED

red = LED(22)

red.blink()
```

```
from gpiozero
import LED

red = LED(22)
amber = LED(27)
green = LED(17)

red.blink(1, 1)
amber.blink(2, 2)
green.blink(3, 3)
```

2.Traffic lights sequence

```
from gpiozero import LED
from time import sleep

red = LED(22)
amber = LED(27)
green = LED(17)

red.on()
sleep(1)
amber.on()
sleep(1)
green.on()
```

```
sleep(1)
```

Try turning the lights on and off in sequence:

```
red.on()
sleep(1)
amber.on()
sleep(1)
green.on()
sleep(1)
red.off()
sleep(1)
amber.off()
sleep(1)
green.off()
```

Try repeating this by putting the code inside a `while` loop:

```
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```