

ASSIGNMENT 3

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

CODE:

```
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)
```

```
while True:
```

```
    red.on()
```

```
    sleep(1)
```

```
    amber.on()
```

```
    sleep(1)
```

```
    green.on()
```

```
    sleep(1)
```

```
    red.off()
```


```
    sleep(1)
```

```
    amber.off()
```

```
    sleep(1)
```

```
    green.off()
```

OUTPUT:



The screenshot shows a web browser window with the URL `create.withcode.uk/python/A5`. The main content area displays a Python script in a file named `mycode.py`. The script configures three LEDs (red, amber, green) and controls them in a sequence. To the right of the code editor is a visual representation of the circuit, showing three red LEDs connected to a breadboard with various components. Below the circuit diagram, a message states: "Simulated gpiozero support is under development. [Let me know](#) if there's a feature you'd really like to see implemented. The gpiozero module was developed by Ben Nuttall and Dave Jones: [read the docs](#)".

```
1 from gpiozero import LED
2
3 red = LED(22)
4 amber = LED(27)
5 green = LED(17)
6
7 red.blink(1, 1)
8 amber.blink(2, 2)
9 green.blink(3, 3)
10 while True:
11     red.on()
12     sleep(1)
13     amber.on()
14     sleep(1)
15     green.on()
16     sleep(1)
17     red.off()
18     sleep(1)
19     amber.off()
20     sleep(1)
21     green.off()
```

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