

ASSIGNMENT - 3

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


```
import RPi.GPIO as GPIO
import time
import signal
import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(9, True)
    time.sleep(3)
    GPIO.output(10, True)
    time.sleep(1)
    GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, True)
    time.sleep(5)
    GPIO.output(11, False)
    GPIO.output(10, True)
    time.sleep(2)
    GPIO.output(10, False)
```

mycode.py

```
1 # import raspberry pi GPIO module
2 import RPi.GPIO as GPIO
3 import time
4 import signal
5 import sys
6 GPIO.setmode(GPIO.BCM)
7 GPIO.setup(9, GPIO.OUT)
8 GPIO.setup(10, GPIO.OUT)
9 GPIO.setup(11, GPIO.OUT)
10 while True:
11     GPIO.output(9, True)
12     time.sleep(3)
13     GPIO.output(10, True)
14     time.sleep(1)
15     GPIO.output(9, False)
16     GPIO.output(10, False)
17     GPIO.output(11, True)
18     time.sleep(5)
19     GPIO.output(11, False)
20     GPIO.output(10, True)
21     time.sleep(2)
22     GPIO.output(10, False)
23     GPIO.output(10, False)
```

create.w

mycode.py

**RPi GPIO connectors:**

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39
GPIO 2	GPIO 3	GPIO 4	GPIO 5	GPIO 6	GPIO 7	GPIO 8	GPIO 9	GPIO 10	GPIO 11	GPIO 12	GPIO 13	GPIO 14	GPIO 15	GPIO 16	GPIO 17	GPIO 18	GPIO 19	GPIO 20	GPIO 21

