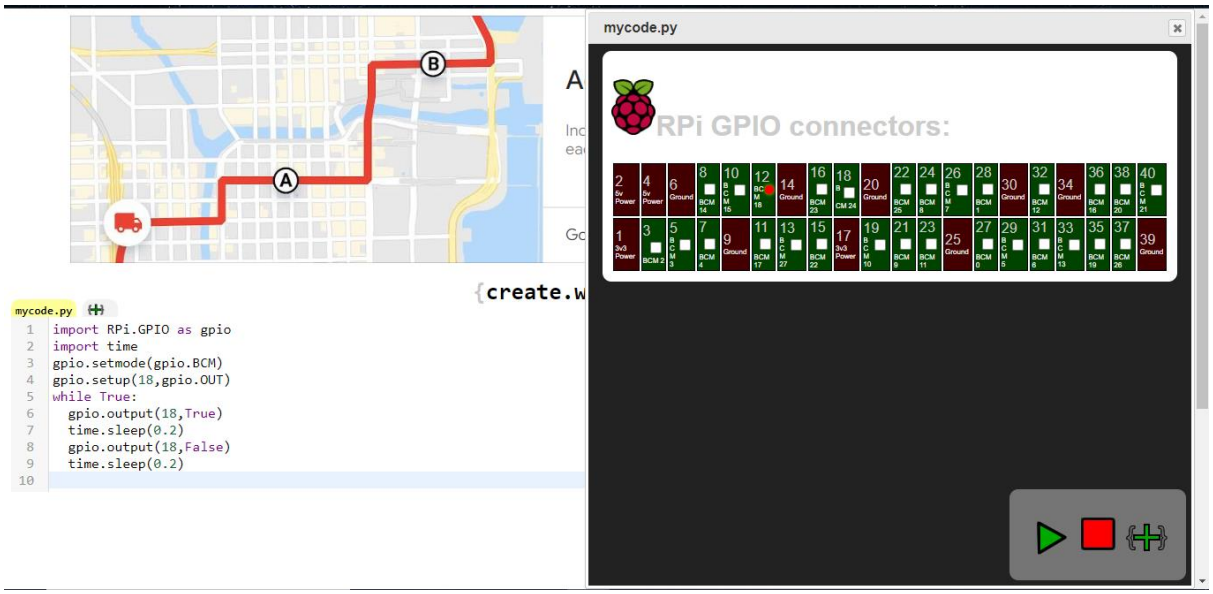
ASSIGNMENT -3

Led Blinking

Code:

```
import RPi.GPIO as gpio
import time
gpio.setmode(gpio.BCM)
gpio.setup(18,gpio.OUT)
while True:
  gpio.output(18,True)
  time.sleep(0.2)
  gpio.output(18,False)
  time.sleep(0.2)
```

Output:



Traffic lights

Code:

```
from gpiozero import Button,LED, Buzzer
from time import sleep
buzzer = Buzzer(15)
button = Button(21)
light= LED(25, 8, 7)
while True:
        button.wait_for_press()
        buzzer.on()
        LED.green.on()
        sleep(1)
        LED.amber.on()
        sleep(1)
        LED.red.on()
        sleep(1)
        LED.off()
        buzzer.off()
```

Output:

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mycode.py

```
1  from gpiozero import Button,LED, Buzzer
2  from time import sleep
3
4  buzzer = Buzzer(15)
5  button = Button(21)
6  light= LED(25, 8, 7)
7
8  while True:
9            button.wait_for_press()
10           buzzer.on()
11           LED.green.on()
12           sleep(1)
13           LED.amber.on()
14           sleep(1)
15           LED.red.on()
16           sleep(1)
17           LED.off()
18           buzzer.off()
```