

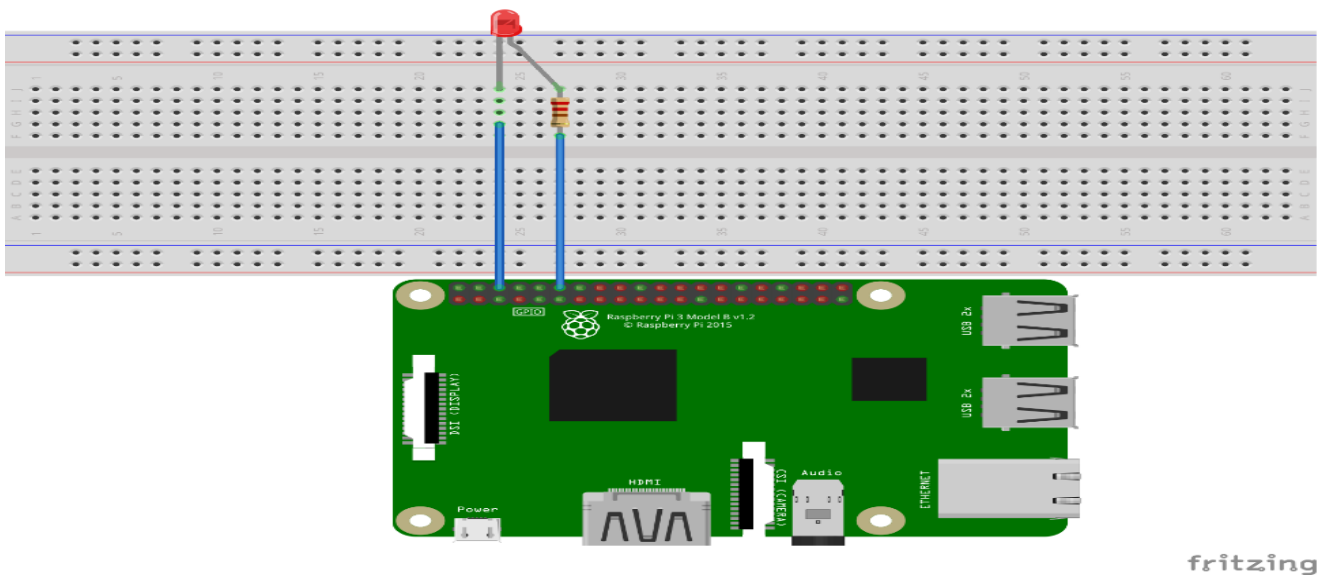
Assignment - 3

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

```
from gpiozero import LED                # importing GPIO pins as LED from time import
sleep                                   # importing time function as sleep red = LED(18)
# red LED is connected to GPIO 18

while True:                            # infinite loop
    red.on()                            # red LED is on for 1 second
    sleep(1)
    red.off()                           # red led is off for 1 second    sleep(1)
```

Circuit : LED blinking



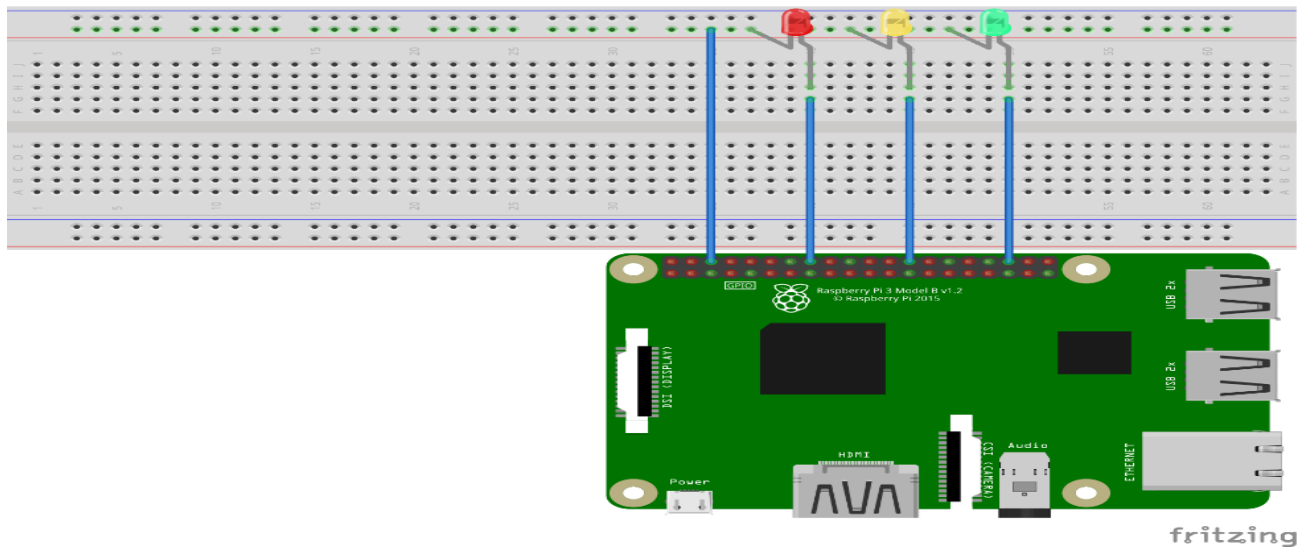
Python code traffic light for raspberry

```

from gpiozero import LED                                # importing GPIO pins as LED from time import
sleep                                                    # importing time function as sleep
red = LED(23)                                           # red LED connected to GPIO 23
yellow = LED(07)                                        # yellow LED connected to GPIO 07
green = LED(19)                                         # green LED connected to GPIO 19

while True:
    red.on()                                             # red LED is on for 5 seconds to make stop
    sleep(5)
    red.off()
    yellow.on()                                         # yellow LED is on for 2 seconds to make ready
    sleep(2)
    yellow.off()
    green.on()                                           # green LED is on for 5 seconds to make go
    sleep(5)
    green.off()

```



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