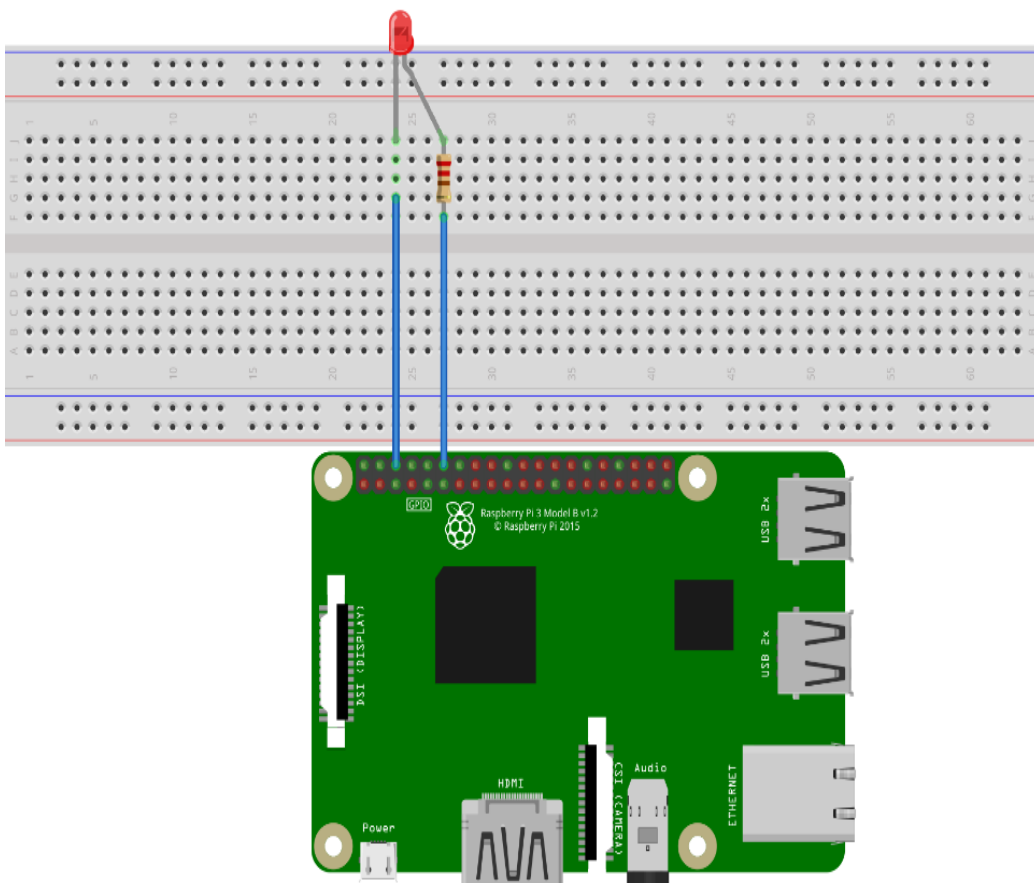


## Assignment – 3

**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**



fritzing

**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:                                             # infinite loop
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()

```

