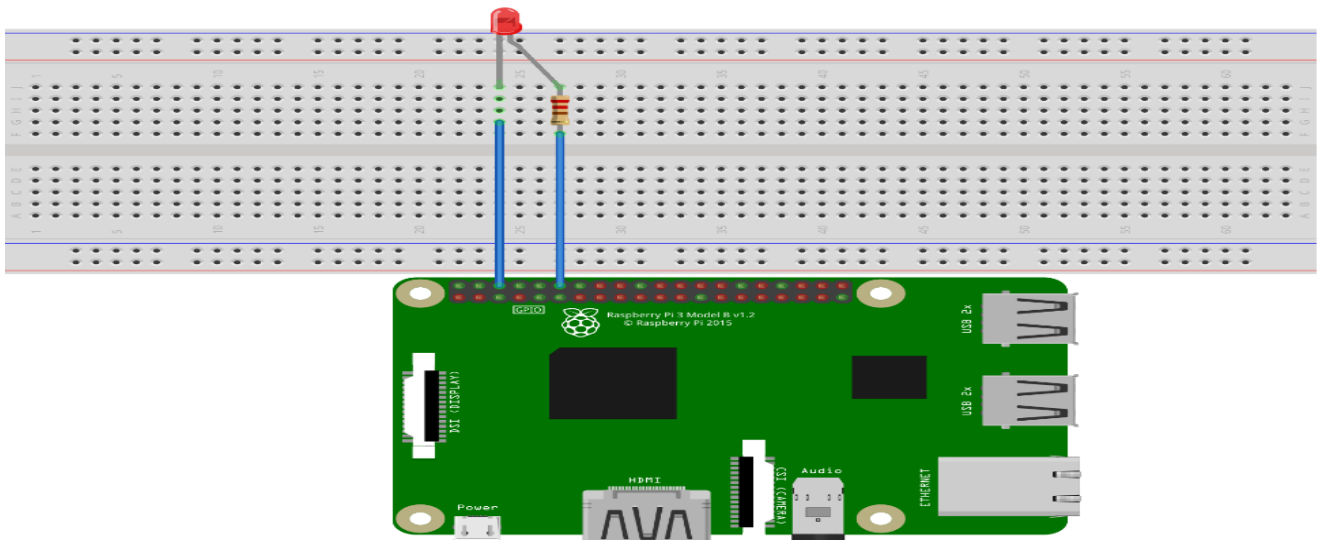# Assignment – 3

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:                       # infine 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()
```