ASSIGNMENT 3

RAMESH P

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2019PECEC350

AIM:

Build a Raspberry pi code for blinking LED and Traffic light.

SOFTWARE REQUIRED:

Raspberry pi

Raspberry pi CODE:

```
import RPi.GPIO as GPIO

import time

#assign numbering for the GPIO using BCM

GPIO.setmode(GPIO.BCM)

#assingn number for the GPIO using Board

#GPIO.setmode(GPIO.BOARD)


cnt = 0

MAIL_CHECK_FREQ = 1 # change LED status every 1 seconds

RED_LED = 4

GPIO.setup(RED_LED, GPIO.OUT)

while True:

ifcnt == 0 :
```

```
        GPIO.output(RED_LED, False)

        cnt = 1

    else:

        GPIO.output(RED_LED, True)

        cnt = 0


    time.sleep(MAIL_CHECK_FREQ)

GPIO.cleanup()
```